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## THIRD ANNUAL REPORT

OF THE

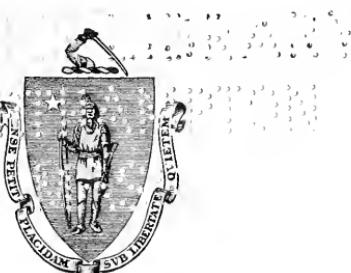
# STATE BOARD OF INSANITY

OF THE

Commonwealth of Massachusetts

FOR THE

YEAR ENDING SEPTEMBER 30, 1901.



BOSTON:

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1902.



# Commonwealth of Massachusetts.

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STATE HOUSE, BOSTON, March 12, 1902.

*To His Excellency the Governor and the Honorable Council.*

The third annual report of the State Board of Insanity  
is herewith respectfully presented.

GEORGE F. JELLY.  
HERBERT B. HOWARD.  
CHARLES R. CODMAN.  
FRANCIS B. GARDNER.  
ALBERT L. HARWOOD.



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MEMBERS OF THE STATE BOARD OF INSANITY.

Date of Original Appointment.	Name.	Residence.	RETIRED.		Term expires.
			Date.	Reason.	
September, 1898,	George F. Jelly, M.D.,	Boston, .	-	-	September, 1903.
September, 1898,	Herbert B. Howard, M.D.,	Boston, .	-	-	September, 1902.
September, 1898,	Charles R. Codman, .	Barnstable, .	-	-	September, 1906.
September, 1898,	Edward S. Bradford,	Springfield, .	February, 1900,	Resigned,	September, 1900.
September, 1898,	Francis B. Gardner, .	Brockton, .	-	-	September, 1904.
February, 1900,	Albert L. Harwood, .	Newton Centre, .	-	-	September, 1905.

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## MEMBERS OF THE BOARD, 1900-1901.

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GEORGE F. JELLY, M.D., <i>Chairman</i> ,	.	.	BOSTON.
HERBERT B. HOWARD, M.D.,	.	.	BOSTON.
CHARLES R. CODMAN,	.	.	BARNSTABLE.
FRANCIS B. GARDNER,	.	.	BROCKTON.
ALBERT L. HARWOOD,	.	.	NEWTON CENTRE.

Regular meeting, second Wednesday of each month, at 2.30 P.M.,  
Room 34, State House, Boston.

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### OFFICERS OF THE BOARD.

OWEN COPP, M.D.,	.	.	.	<i>Secretary and Executive Officer.</i>
LOWELL F. WENTWORTH, M.D.,	.	.	.	<i>Deputy Executive Officer.</i>
JOHN E. FISH, M.D.,	.	.	.	<i>Medical Visitor.</i>
SARAH CHAPMAN,	.	.	.	<i>Stenographer.</i>
JOSEPHINE P. FULLER,	.	.	.	<i>Stenographer.</i>
KATIE G. STETSON,	.	.	.	<i>Clerk.</i>
REBECCA J. GREENE,	.	.	.	<i>Clerk.</i>
MABEL G. GRAGG,	.	.	.	<i>Visitor.</i>
FRED A. HEWEY,	.	.	.	<i>Transportation Officer.</i>
ELLA HEAL,	.	.	.	<i>Transportation Officer.</i>

Office, Room 36, State House, Boston.

## DIRECTORY OF INSTITUTIONS.

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### WORCESTER INSANE HOSPITAL (opened 1833) :—

Trustees: Rockwood Hoar, Worcester, chairman; Thomas Russell, Boston, secretary; Thomas H. Gage, M.D., Worcester; Frances M. Lincoln, Worcester; George W. Wells, Southbridge; Sarah E. Whitin, Whitinsville; Samuel B. Woodward, M.D., Worcester.

Regular meeting, first Tuesday of each month.

Superintendent, Hosea M. Quinby, M.D.

Assistant superintendent, Alfred I. Noble, M.D.

Director of clinical work and laboratory, Adolf Meyer, M.D.

Assistant physicians, George H. Kirby, M.D.; Harry A. Cotton, M.D.; Cornelia B. J. Schorer, M.D.

Visiting days, Wednesdays and Fridays.

### TAUNTON INSANE HOSPITAL (opened 1854) :—

Trustees: Henry R. Stedman, M.D., Brookline, chairman; Susan E. Learoyd, Wakefield, secretary; Nathaniel B. Borden, Fall River; Elizabeth C. M. Gifford, New Bedford; Gerard C. Tobey, Wareham; William C. Lovering, Taunton.

Regular meeting, first Thursday of each month.

Superintendent, John P. Brown, M.D.

Assistant physicians, Arthur V. Goss, M.D., Benjamin W. Baker, M.D., Roy V. Baketel, M.D., Tertia C. Wilton, M.D.

Assistant physician and pathologist, Harry W. Miller, M.D.

Visiting days, Wednesdays and Saturdays and all legal holidays.

### NORTHAMPTON INSANE HOSPITAL (opened 1858) :—

Trustees: Elisha Morgan, Springfield, chairman; Alvan Barrus, Goshen; F. W. Chapin, M.D., Springfield; Lyman D. James, Williamsburg; William D. MacInnes, Pittsfield; Sarah A. Woodworth, Chicopee; Caroline A. Yale.

Regular meeting, first Thursday of each month.

Superintendent, John A. Houston, M.D.

Assistant physicians, Justus G. Hanson, M.D., Harriet M. Wiley, M.D., Charles H. Dean, M.D., Arthur B. Moulton, M.D.

Visiting days, Tuesdays and Fridays.

**DANVERS INSANE HOSPITAL (opened 1878) :—**

Post-office and railroad station, Hathorne (Boston & Maine).

Trustees: Samuel W. Hopkinson, Haverhill, chairman; Solon Bancroft, Reading, secretary; Horace H. Atherton, Saugus; Mrs. Ada T. Brewster, Andover; Miss Mary Ward Nichols, Danvers; Orville F. Rogers, M.D., Boston; William B. Sullivan, Danvers.

Regular meeting, first Friday after first Monday of each month.

Superintendent, Arthur H. Harrington, M.D.

Senior assistant physician, H. W. Mitchell, M.D.

Assistant physicians, James D. Madison, M.D., Mary Paulsell, M.D., Harry L. Barnes, M.D., Philip C. Bartlett, M.D.

Visiting days, Mondays and Wednesdays.

**WESTBOROUGH INSANE HOSPITAL (opened 1886) :—**

Railroad station, Talbot (New York, New Haven & Hartford).

Trustees: — —, chairman; Eliza C. Durfee, Fall River, secretary; Benjamin W. Childs, Worcester; John L. Coffin, M.D., Northborough; John M. Merriam, South Framingham; George B. Richmond, New Bedford; Sarah B. Williams, Taunton.

Regular meeting, first or second Thursday of each month.

Superintendent, George S. Adams, M.D.

First assistant physician, Henry I. Klopp, M.D.

Assistant physicians, De Ette Brownell, M.D., Eva F. Swinney, M.D., Clifford J. Huyek, M.D.

Pathologist, S. C. Fuller, M.D.

Visiting days, every day except Saturdays, Sundays and holidays.

**WORCESTER INSANE ASYLUM (opened 1877) :—**

Trustees: trustees of Worcester Insane Hospital.

Superintendent, Ernest V. Scribner, M.D.

Assistant physician, Thomas Howell, M.D.

Pathologist, Frederick H. Baker, M.D.

Visiting days, every day except Sunday.

**MEDFIELD INSANE ASYLUM (opened 1896) :—**

Post-office, Harding; railroad station, Medfield Junction (New York, New Haven & Hartford).

Trustees: John G. Park, M.D., Groton, chairman; Elizabeth Thurber, Plymouth, secretary; Benjamin S. Atwood, Whitman; William O. Blaney, Boston; Ira G. Hersey, Hingham; Edwin V. Mitchell, Medfield; Sarah Rand, Newton Centre.

Regular meeting, second Friday of each month.

Superintendent, Edward French, M.D.

Assistant physicians, Edward A. Andrews, M.D., Frederick C. Shultis, M.D., George B. Lockwood, M.D., Florence H. Abbott, M.D.

Visiting days, Tuesdays and Fridays.

**STATE ASYLUM FOR INSANE CRIMINALS, STATE FARM (opened 1887, 1895) :—**

Post-office, State Farm; railroad station, Titicut (New York, New Haven & Hartford.)

Trustees: J. White Belcher, Randolph, chairman; Rev. Payson W. Lyman, Fall River, secretary; Mrs. Sarah D. Fiske, Malden; Jacob H. Hecht, Boston; Leonard Huntress, M.D., Lowell; Mrs. Anna F. Prescott, Boston.

Regular meeting, usually during last week of month, alternately at State Farm and State Hospital.

Medical director, Chas. A. Drew, M.D.

Assistant physician, Butler Metzger, M.D.

Visiting days, every day except Sundays and holidays.

**ASYLUM WARDS, STATE HOSPITAL (opened 1866) :—**

Post-office, Tewksbury; railroad stations, Tewksbury (Western Division, Boston & Maine), Tewksbury Junction and Salem Junction (Southern Division, Boston & Maine).

Trustees: trustees of State Farm.

Superintendent, John H. Nichols, M.D.

Assistant superintendent, Joseph B. Howland, M.D.

First assistant physician and pathologist, Arthur K. Drake, M.D.

Assistant physicians, Ernest B. Emerson, M.D., George A. Peirce, M.D., Harold C. Goodwin, M.D., Hannah Lowell, M.D.

Visiting days, every day except Saturdays and holidays, from 10 until 4.

**MASSACHUSETTS HOSPITAL FOR DIPSOMANIACS AND INEBRIATES, FOXBOROUGH (opened 1893) :—**

Trustees: S. Homer Woodbridge, Newton, chairman; Benjamin H. Hartwell, M.D., Ayer; John T. G. Nichols, M.D., Cambridge; Joseph G. Pinkham, M.D., Lynn; Anna Phillips Williams, Boston.

Regular meeting, first Wednesday of each month.

Superintendent, Chas. E. Woodbury, M.D.

Assistant physician, Lewis M. Walker, M.D.

Visiting days, Tuesdays and Fridays.

**MASSACHUSETTS HOSPITAL FOR EPILEPTICS (opened 1898) :—**

Post-office and railroad station, Palmer (Boston & Albany).

Trustees: William N. Bullard, M.D., Boston, chairman; Charles A. Clough, Boston, secretary; Adelaide A. Calkins, Springfield; Henry P. Jaques, M.D., Lenox; Henry M. Phillips, Springfield; W. W. Scofield, M.D., Dalton; Mabel W. Stedman, Brookline.

Regular meeting, first Thursday of each month.

Superintendent, Everett Flood, M.D.

Assistant physicians, Arthur O. Morton, M.D., Morgan B. Hodskins, M.D.

Visiting days, Tuesdays and Fridays.

## MASSACHUSETTS SCHOOL FOR THE FEEBLE-MINDED (opened 1851) :—

Post-office and railroad station, Waverley (Boston & Maine).

Trustees: Samuel Hoar, Concord, president; J. S. Damrell, Boston, vice-president; William W. Swan, Brookline, secretary; Richard C. Humphreys, Boston, treasurer; Chas. Francis Adams, 2d, Quincy; Francis J. Barnes, M.D., Cambridge; Francis Bartlett, Boston; Elizabeth E. Coolidge, Cambridge; Thomas W. Davis, Belmont; Frederick P. Fish, Boston; Chas. E. Ware, Fitchburg; F. G. Wheatley, M.D., Abington; Chas. F. Wyman, Cambridge.

Quarterly meeting, second Thursday of October, January, April and July.

Superintendent, Walter E. Fernald, M.D.

Assistant physicians, L. G. Wallace, M.D., Joseph H. Ladd, M.D.

Visiting days, every day except Sundays and holidays.

## HOSPITAL COTTAGES FOR CHILDREN, BALDWINVILLE (opened 1882) :—

President, Merrick Bemis, M.D., Worcester; clerk, Francis Leland, Otter River.

Trustees appointed by the Governor: Merrick Bemis, M.D., Worcester; Chas. H. Allen, Boston; David H. Coolidge, Boston; Mrs. William W. Doherty, Boston; Arthur H. Lowe, Fitchburg.

Trustees appointed by the corporation: Mrs. J. B. Case, Boston; John D. Carson, Dalton; Mrs. Francis H. Dewey, Worcester; Homer Gage, M.D., Worcester; Mrs. H. C. Greeley, Clinton; Mrs. Edward L. Greene, Clinton; Almon E. Hall, Williamstown; Francis Leland, Otter River; Rev. J. S. Lemon, Gardner; H. S. Morley, Baldwinville; Mrs. Winslow S. Lincoln, Worcester; F. W. Russell, M.D., Winchendon; William Skinner, Holyoke; Gilman Waite, Baldwinville; Robert N. Wallis, Fitchburg; Mrs. Sarah E. Whitin, Whitinsville.

Quarterly meeting, second Wednesday of October, January, April and July.

Superintendent, Hartstein W. Page, M.D.

Visiting days, every day except Sundays.

## BOSTON INSANE HOSPITAL (opened 1839) :—

Women's department: post-office, New Dorchester; railroad station, Forest Hills. Men's department: post-office, Mattapan; railroad station, Forest Hills (New York, New Haven & Hartford).

Trustees: Henry C. Baldwin, M.D., Boston, chairman; Philip Coombs Knapp, M.D., Boston, secretary; C. James Connelly, Boston; George A. Goddard, Boston; Emily P. Howard, M.D., Boston; Catherine L. Marion, Boston; George A. Sanderson, Boston.

Regular meeting, at 126 Commonwealth Avenue, second Thursday of each month.

Superintendent, Edward B. Lane, M.D.

Associate superintendent, William Noyes, M.D.

Assistant physicians, Linneus A. Roberts, M.D., Fred B. Colby, M.D., S. W. Crittenden, M.D.

Visiting day, Wednesday, 2 to 4 p.m.

**MCLEAN HOSPITAL (opened 1818) :—**

Department of Massachusetts General Hospital Corporation ; post-office and railroad station, Waverley (Boston & Maine).

President, Charles H. Dalton, Boston ; treasurer, Franklin Haven, Boston ; secretary, Thomas B. Hall, Boston.

Trustees appointed by the Governor : William S. Bigelow, M.D., Boston ; John H. Harlow, M.D., Woburn ; Henry S. Howe, Boston ; David P. Kimball, Boston.

Trustees appointed by the corporation : Henry P. Walcott, M.D., chairman, Boston ; Francis Blake, Auburndale ; Reginald Gray, Boston ; Nathaniel Thayer, Boston ; Samuel D. Warren, Boston ; George Wigglesworth, Boston ; Moses Williams, Boston ; Francis L. Higginson, Boston.

Regular meeting, usually at Merchants' National Bank, of Boston, on Friday, at intervals of two weeks, beginning sixteen days after first Wednesday in February.

Superintendent, Edward Cowles, M.D.

First assistant physician, George T. Tuttle, M.D.

Second assistant physician, Charles S. Little, M.D.

Pathologist and assistant physician, August Hoch, M.D.

Assistant in pathological chemistry, Otto Folin, Ph.D.

Junior assistant physicians, Emma W. Mooers, M.D., Guy G. Fernald, M.D., Martin J. Cooley, M.D., Phil A. Shaffer, A.B.

Visiting days, Wednesdays and Saturdays.

## PRIVATE INSTITUTIONS..

BOURNEWOOD, Henry R. Stedman, M.D., South Street, Brookline. Railroad station, Forest Hills (New York, New Haven & Hartford). Carriage.

THE HIGHLANDS, Frederick W. Russell, M.D., Winchendon (Fitchburg). Carriage.

CHANNING SANITARIUM, Walter Channing, M.D., Brookline. Railroad station, Reservoir (Boston & Albany). Carriage.

PRIVATE ASYLUM, Eben C. Norton, M.D. Post-office, Norwood; railroad station, Norwood Central (New York, New Haven & Hartford).

RIVERVIEW, Lucius W. Baker, M.D., Baldwinville.

HERBERT HALL, Merrick Bemis, M.D., Salisbury Street, Worcester. Carriage.

NEWTON NERVINE, N. Emmons Paine, M.D., West Newton. Carriage.

WELLESLEY NERVINE, Edward H. Wiswall, M.D., Washington Street, Wellesley.

CUTTER RETREAT, William F. Heald, M.D., Pepperell. Carriage.

LOCUST GROVE ASYLUM, Alice R. Cooke; medical director, George E. White, M.D., Sandwich. Carriage.

DR. RING'S SANATORIUM, Allan Mott Ring, M.D., Arlington Heights. Carriage.

FRAMINGHAM NERVINE, Ellen L. Keith, M.D., Winter Street, Framingham.

LAURELWOOD, Eugene W. Hill, M.D., Newton. Carriage.

PRIVATE HOSPITAL, Simeon O. Pilling, M.D., Newburyport.

THE BLUE HILLS SANITARIUM, J. Frank Perry, M.D., Milton.

NEW ENGLAND SANITARIUM AND BENEVOLENT ASSOCIATION, C. C. Nicola, M.D., South Lancaster.

PRIVATE INSTITUTION FOR FEEBLE-MINDED YOUTH, George A. Brown, M.D., Catherine W. Brown, Superintendents, Barre (Massachusetts Central Railroad).

## Commonwealth of Massachusetts.

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### STATE BOARD OF INSANITY.

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#### INSTITUTIONS AND CLASSES UNDER SUPERVISION.

The general supervision of the Board extends over:—

- Worcester Insane Hospital.
- Taunton Insane Hospital.
- Northampton Insane Hospital.
- Danvers Insane Hospital.
- Westborough Insane Hospital.
- Boston Insane Hospital (municipal).
- Worcester Insane Asylum.
- Medfield Insane Asylum.
- Asylum for Insane Criminals, State Farm.
- Asylum Wards, State Hospital.
- Massachusetts Hospital for Epileptics.
- Massachusetts Hospital for Dipsomaniacs and Inebriates.
- Massachusetts School for the Feeble-minded (partly private).
- Hospital Cottages for Children (partly private).
- McLean Hospital (private).
- Seventeen other private institutions.
- Insane boarded in families by the Board.
- Insane boarded in families by overseers of the poor.
- Insane in almshouses.

The classes of persons under supervision, their number and location on Oct. 1, 1901, are shown in the following tabulation:—

## STATE BOARD OF INSANITY.

[Jan.]

LOCATION.	INSANE.				SANE.				FEEBLE-MINDED.				INBRIATE OR DIPSOMANIA.				AGGREGATE.	
	Male.	Total.	Female.	Total.	Male.	Total.	Female.	Total.	Male.	Total.	Female.	Total.	Male.	Total.	Female.	Total.	Male.	Total.
<b>A.—State Institutions:</b>																		
Worcester Insane Hospital,	528	563	1,091	-	-	-	-	-	-	-	-	-	528	570	1,098			
Taunton Insane Hospital,	459	462	921	-	-	-	-	-	-	-	-	-	6	459	468	927		
Northampton Insane Hospital,	323	295	618	-	-	-	-	-	-	-	-	-	323	295	618			
Danvers Insane Hospital,	539	597	1,136	-	-	-	-	-	-	-	-	-	1	539	598	1,137		
Westborough Insane Hospital,	275	395	670	6	10	16	-	-	-	-	-	-	6	281	411	692		
Worcester Insane Asylum,	221	256	477	-	-	-	-	-	-	-	-	-	-	221	256	477		
Medfield Insane Asylum,	559	727	1,286	-	-	-	-	-	-	-	-	-	-	559	727	1,286		
Asylum Wards, State Hospital,	134	388	522	-	-	-	-	-	-	-	-	-	-	134	388	522		
Asylum for Insane Criminals,	403	-	403	-	-	-	-	-	-	-	-	-	-	403	-	403		
Hospital for Epileptics,	72	78	150	59	61	120	-	-	-	-	-	-	-	131	139	270		
Hospital for Dipsomaniacs and Inebriates,	-	-	-	-	-	-	-	-	-	-	-	-	212	212	-	212		
Total,	3,513	3,761	7,274	66	71	136	-	-	-	-	-	-	212	20	232	3,790	3,852	7,612
<b>B.—Municipal Institution:</b>																		
Boston Insane Hospital,	266	250	516	1	2	3	-	-	-	-	-	-	-	267	262	519		
C.—City and town almshouses.*	348	456	804	-	-	-	-	-	-	-	-	-	172	147	319	-	503	1,123

D.—Private families in care of the State Board,	•	•	•	16	101	117	-	-	-	-	-	-	16	101	117			
E.—Private families in care of overseers of poor,*	•	•	•	8	31	39	-	-	19	22	41	-	-	27	53	80		
F.—Private institutions:—																		
McLean Hospital,	•	•	•	86	91	177	1	1	2	-	-	-	-	87	92	179		
Other private institutions for the insane,	•	•	•	12	51	63	43	107	150	-	-	-	-	55	158	213		
Total,	•	•	•	98	142	240	44	108	152	-	-	-	-	142	250	392		
G.—Private institutions which have received aid from the State:—																		
School for the Feeble-minded,	•	•	•	-	-	-	-	-	-	422	280	702	-	-	422	280	702	
Hospital Cottages for Children,	•	•	•	-	-	-	86	45	131	2	2	4	-	-	88	47	135	
Total,	•	•	•	-	-	-	86	46	131	424	282	706	-	-	-	510	327	837
Total A, B,	•	•	•	3,779	4,011	7,790	66	73	139	-	-	212	20	232	4,057	4,104	8,161	
Total A, B, C,	•	•	•	4,127	4,467	8,594	66	73	139	172	147	319	212	20	232	4,577	4,707	9,284
Total A, B, D,	•	•	•	3,795	4,112	7,907	66	73	139	-	-	212	20	232	4,073	4,205	8,278	
Total A, B, C, D,	•	•	•	4,143	4,568	8,711	66	73	139	172	147	319	212	20	232	4,593	4,808	9,401
Total C, E,	•	•	•	356	487	843	-	-	-	191	169	360	-	-	-	547	656	1,203
Total D, E,	•	•	•	24	132	156	-	-	-	19	22	41	-	-	-	43	154	197
Total A, B, C, D, E,	•	•	•	4,151	4,599	8,750	66	73	139	191	169	360	212	20	232	4,620	4,861	9,481
Total A, B, C, D, E, F,	•	•	•	4,249	4,741	8,990	110	181	291	191	169	360	212	20	232	4,762	5,111	9,573
Total A, B, D, F,	•	•	•	3,893	4,254	8,147	110	181	291	-	-	-	212	20	232	4,215	4,455	8,670
Grand total,	•	•	•	4,249	4,741	8,990	196	226	422	615	451	1,066	212	20	232	5,272	5,438	10,710

\* For year ending March 31, 1901, from reports by overseers of poor.

In comparison with their status on Oct. 1, 1900, changes for the year have occurred as follows:—

LOCATION.	INCREASE FOR THE YEAR ENDING SEPT. 30, 1901.															
	INSANE.				SANE.				FEEBLE-MINDED				INEBRIATE OR DIPSOMANIAC.			
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	
<b>A.—State institutions:—</b>																
Worcester Insane Hospital,	•	•	•	29	20*	9	—	—	—	—	1*	1*	29	21*	8	
Taunton Insane Hospital,	•	•	•	33	25	58	—	—	—	—	2	2	33	27	60	
Northampton Insane Hospital,	•	•	•	11	17	28	—	—	—	—	—	—	11	17	28	
Danvers Insane Hospital,	•	•	•	29	55	84	—	1*	1*	—	—	1	1	29	55	84
Westborough Insane Hospital,	•	•	•	1*	21	20	1*	—	1*	—	—	1	1	2*	22	20
Worcester Insane Asylum,	•	•	•	19*	14	5*	—	—	—	—	—	—	—	19*	14	5*
Medfield Insane Asylum,	•	•	•	44	45	89	—	—	—	—	—	—	44	45	89	
Asylum Wards, State Hospital,	•	•	•	1*	39	38	—	—	—	—	—	—	1*	39	38	
Asylum for Insane Criminals,	•	•	•	31	—	31	—	—	—	—	—	—	31	—	31	
Hospital for Epileptics,	•	•	•	7	1	8	9	10	19	—	—	—	16	11	27	
Hospital for Dipsomaniacs and Inebriates,	•	•	•	—	—	—	—	—	—	—	46*	—	46*	—	46*	
Total, • • • • •	163	197	360	8	9	17	—	—	—	—	46*	3	43*	125	209	334
<b>B.—Municipal Institution:—</b>																
Boston Insane Hospital,	•	•	•	13	—	13	—	2	2	—	—	—	—	13	2	15
C.—City and town almshouses,†	•	•	•	8*	34*	42*	—	—	—	—	25*	—	—	—	—	67*

† For year ending March 31, 1901, from reports by overseers of poor.

\* Decrease.

## THE REGISTERED INSANE.

The registered insane, their number and location on Oct. 1, 1901, their daily average number for the year preceding, the number of different persons under treatment within that year, and their respective increases for the same period, are shown in the following tabulation :—

LOCATION.	ON OCT. 1, 1901.		DAILY AVERAGE.		DIFFERENT PERSONS WITHIN THE YEAR.	
	Number.	Increase for the Year.	Number for the Year.	Increase over Last Year.	Number.	Increase over Last Year.
A.—State institutions:—						
Worcester Insane Hospital, . . .	1,091	9	1,087.92	71.03	1,643	121
Taunton Insane Hospital, . . .	921	58	883.10	21.80	1,288	66
Northampton Insane Hospital, . . .	618	28	601.97	25.64	793	33*
Danvers Insane Hospital, . . .	1,136	84	1,057.53	68.53	1,481	60
Westborough Insane Hospital, . . .	670	20	657.36	21.06	946	35
Worcester Insane Asylum, . . .	477	5*	476.82	6.64	517	-
Medfield Insane Asylum, . . .	1,286	89	1,234.04	95.76	1,378	105
Asylum Wards, State Hospital, . . .	522	38	504.39	18.05	636	39
Asylum for Insane Criminals, . . .	403	31	383.30	33.50	452	44
Hospital for Epileptics, . . .	150	8	150.72	11.37	170	7
Total, . . . . .	7,274	360	7,037.15	373.38	9,304	444
B.—Municipal institution: Boston Insane Hospital, . . . . .	516	13	500.52	10.06	800	34*
C.—City and town almshouses,† . . . . .	804	42*	823.00	21.20*	1,038	115*
D.—Private families in care of the State Board,	117	7*	120.07	17.70	146	11
E.—Private families in care of overseers of poor,†	39	6	39.74	11.33	44	1*
F.—Private institutions:—						
McLean Hospital, . . . . .	177	2	164.81	.57	314	6*
Other private institutions for the insane, . . . . .	63	2*	68.28	6.22	113	9*
Total, . . . . .	240	-	233.09	6.79	427	15*
Total persons in A, . . . . .	7,274	360	7,037.15	373.38	9,069	395
Total persons in A, B, . . . . .	7,790	373	7,537.67	383.44	9,777	394
Total persons in A, B, C, . . . . .	8,594	331	8,360.67	362.24	10,687	259
Total persons in A, B, D, . . . . .	7,907	366	7,657.74	401.14	9,881	404
Total persons in A, B, C, D, . . . . .	8,711	324	8,480.74	379.94	10,758	266
Total persons in C, E, . . . . .	843	36*	862.74	9.87*	1,081	114*
Total persons in D, E, . . . . .	156	1*	159.81	29.03	190	11
Total persons in A, B, C, D, E, . . . . .	8,750	330	8,520.48	391.27	10,816	279
Total persons in F, . . . . .	240	-	233.09	6.79	424	13*
Total persons in A, B, C, D, E, F, . . . . .	8,990	330	8,753.57	398.06	11,212	264
Total persons in A, B, D, F, . . . . .	8,147	366	7,890.83	407.93	10,277	389

\* Decrease.

† For year ending March 31, 1901, from reports by overseers of poor.

Their average annual increase by five-year periods, subsequent to Sept. 30, 1890, their increase for the closing year of, and for each year subsequent to, the last quinquennial period, and their average annual increase since Sept. 30, 1890, are shown in the following tabulation :—

LOCATION.	NUMBER OCTOBER 1.						DAILY AVERAGE NUMBER FOR THE YEAR.					
	Average 1890-95.		Average 1895-1900.		1900.	1901.	Average 1890-1901.		1895-1900.	1900.	1901.	Average 1890-1901.
	Average 1890-95.	1895-1900.	Average 1890-95.	1895-1900.	Average 1890-95.	1895-1901.	Average 1890-95.	1895-1900.	Average 1890-95.	1895-1900.	Average 1890-95.	1895-1900.
A.—State institutions, . . . . .	189.8	382.4	389	360	292.8	187.47	342.32	430.96	373.33	305.59*	10.06	274.76
B.—Boston Insane Hospital (municipal), . . . . .	30.0	4.8*	4*	13	12.6	24.18	2.38	2.38	30.59*	10.06	12.99	
C.—City and town almshouses, <sup>†</sup> . . . . .	14.0	8.6	9	42*	6.4	19.64	1.08	5.70*	21.20*	5.70*	7.49	
D.—Private families in care of the State Board, . . . . .	1.2*	3.6*	28	7*	2.8*	4.26	8.99*	4.15*	17.70	4.15*	.53*	
E.—Private families in care of overseers of poor, <sup>†</sup> . . . . .	2.0*	5.4*	25*	6	2.8*	2.74*	5.45*	28.19*	11.33	28.19*	2.69*	
F.—McLean Hospital and other private institutions, . . . . .	5.8*	7.2	5	-	.6	.45	.87*	1.58	6.79	1.58	.42	
Total A, B, . . . . .	219.8	377.6	385	373	305.4	211.65	344.70	400.37	363.44	363.44	287.75	
Total A, B, C, . . . . .	233.8	386.2	394	331	311.8	231.29	345.78	394.67	362.24	362.24	295.24	
Total A, B, D, . . . . .	218.6	374.0	413	366	302.6	215.91	335.71	396.22	401.14	401.14	287.22	
Total A, B, C, D, . . . . .	232.6	382.6	422	324	309.0	235.55	336.79	390.52	379.94	379.94	294.71	
Total C, E, . . . . .	12.0	3.2	16*	36*	3.6	16.90	4.37*	33.88*	9.87*	9.87*	4.80	
Total D, E, . . . . .	3.2*	9.0*	8	1*	5.6*	1.52	14.44*	32.34*	29.03	32.34*	3.22*	
Total A, B, C, D, E, . . . . .	230.6	377.2	397	330	306.2	232.81	331.34	362.33	391.27	391.27	292.02	
Total A, B, C, D, E, F, . . . . .	224.8	384.4	402	330	306.8	233.26	330.47	363.91	398.06	398.06	292.44	
Total A, B, D, F, . . . . .	212.8	381.2	418	366	303.2	216.36	334.84	397.80	407.93	407.93	287.64	

\* Decrease.

<sup>†</sup> For years ending March 31, from reports by overseers of poor.

## THE INSANE IN PUBLIC INSTITUTIONS.

Under the above heading the following institutions are included:—

## A. — State institutions : —

Worcester Insane Hospital.

Taunton Insane Hospital.

Northampton Insane Hospital.

Danvers Insane Hospital.

Westborough Insane Hospital.

Worcester Insane Asylum.

Medfield Insane Asylum.

Asylum for Insane Criminals.

Asylum Wards, State Hospital.

Hospital for Epileptics.

## B. — Municipal institution : —

Boston Insane Hospital.

Admissions exclusive of transfers to such public institutions were, for the last hospital year, 1,270 men, 1,186 women, 2,456 total; for the preceding year, 1,280 men, 1,174 women, 2,454 total; variation this year from the preceding year, decrease 10 men, increase 12 women, increase 2 total.

The mean daily average number of patients resident in such public institutions during the last two hospital years is: 3,557 men, 3,789 women, 7,346 total. The percentages of the above admissions to this mean average number are: this year, 35.70 per cent. men, 31.30 per cent. women, 33.43 per cent. total; the preceding year, 35.98 per cent. men; 30.98 per cent. women, 33.40 per cent. total; variation this year from the preceding year, decrease .28 per cent. men, increase .32 per cent. women, a total increase of .03 per cent.

Thus it appears that the rate of admission of the insane has been practically the same for the last two years.

The elimination of duplicate cases does not materially modify the conclusion, inasmuch as the persons admitted were, last year, 1,251 men, 1,169 women, 2,420 total; the preceding year, 1,267 men, 1,155 women, 2,422 total; va-

riation this year from the preceding year, decrease 16 men, increase 14 women, decrease 2 total.

The admission rate is dependent in general upon the causes discussed in our report for the year 1900, pages 22-25. In addition, it should be greater in proportion to the growth of population and the increase of occurring insanity. Hence we are led to believe that the nearly stationary rate of admission for the last two years is exceptional, and that a more extended inquiry would show an increasing rate.

Discharges exclusive of transfers to such public institutions were, for the last hospital year, 1,094 men, 989 women, 2,083 total; for the preceding year, 1,054 men, 1,015 women, 2,069 total; variation this year from the preceding year, increase 40 men, decrease 26 women, increase 14 total.

The percentages of the above discharges to the mean average number resident in such institutions during the last two hospital years are: this year, 30.75 per cent. men, 26.10 per cent. women, 28.35 per cent. total; the preceding year, 29.63 per cent. men, 26.79 per cent. women, 28.16 per cent. total; variation this year from the preceding year, increase 1.12 per cent. men, decrease .69 per cent. women, a total increase of .19 per cent.

Thus, as in the case of admissions, the rate of discharge has been practically the same for the last two years.

The elimination of duplicate cases does not materially alter the result, inasmuch as the persons discharged were, last year: 1,087 men, 985 women, 2,072 total; the preceding year, 1,043 men, 1,012 women, 2,055 total; variation this year from the preceding year, increase 44 men, decrease 27 women, increase 17 total.

The discharge rate is determined by:—

*A.*—Factors dependent upon patients, their friends or the hospital authorities, namely: the number of patients whose mental condition, although not normal, might allow their discharge; the disposition and ability of friends to receive and provide for their care outside of an institution; the zeal of hospital authorities in urging or permitting discharge of such patients.

*B.* — Factors independent of the above, namely :—

- (1) Recoveries.
- (2) Deaths.
- (3) Removals by the overseers of the poor.
- (4) Removals out of the State.
- (5) Removals for boarding out.

The operation of these factors for the past two years and their relative effect upon discharge rate are shown in the following tabulation :—

By State Board and by Immigration Commissioner.

## ACCUMULATION OF THE INSANE IN PUBLIC INSTITUTIONS.

The insane in public institutions (A and B in preceding tabulations) numbered, on Oct. 1, 1901, 3,779 men, 4,011 women, 7,790 total; on the same date, a year ago, 3,603 men, 3,814 women, 7,417 total; showing increases for the year of 176 men, 197 women, 373 total. Corresponding increases for the year preceding were: 226 men, 159 women, 385 total; variation this year from last year, decrease 50 men, increase 36 women, decrease 12 total.

The average annual increase from 1890 to 1895 was 219.8; from 1895 to 1900, 377.6; since Sept. 30, 1890, 305.4. It thus appears that this year's increase was 153.2 more than the average from 1890 to 1895, 4.6 less than from 1895 to 1900, and 67.6 more than the average since Sept. 30, 1890, and 12 less than the increase last year.

The accumulation of the insane in such institutions might be due to an increasing admission rate, a decreasing discharge rate, both together, or, such rates being stationary, to a constant relation between admissions and discharges each year, such that the outflow of patients would be habitually less than the inflow.

In the preceding discussion of admissions and discharges (pp. 22 and 23) these rates are shown to have been practically stationary during the last two years; that is, for admissions in 1901, 33.43 per cent. of the mean average number of patients resident; for 1900, 33.40 per cent.; for discharges, 1901, 28.35 per cent.; for 1900, 28.16 per cent. This is consistent with the known fact that the accumulation of the insane for these years is practically the same; that is, 373 in 1901, 385 in 1900.

Therefore, for the last two years the accumulation of the insane in institutions has been almost entirely due to the fact that the discharges have been less than the admissions; thus, 2,456 admissions in 1901, 2,083 discharges, 373 less; 2,454 admissions in 1900, 2,069 discharges, 385 less.

Such *general* relation of admissions and discharges is undoubtedly constant and important as a causative factor in the accumulation of the insane in institutions; but an *increasing*

admission rate must also be auxiliary, as would appear upon more extended examination.

In this connection an analysis of the tabulation of discharges and their causes (p. 25) reveals some interesting facts, which are worthy of further investigation and suggestive of certain lines of effort.

On the average for the past two years the outflow of patients from public institutions has been determined by:—

1. Recovery, in 1 out of every 4.91 discharges, or 5.75 per cent. of the mean daily average number of patients resident.

2. By death, in 1 out of every 2.72 discharges, or 10.12 per cent. of such average.

3. By removal by public authorities outside of the hospital, in 1 out of every 8.65 discharges, or 3.26+ per cent. of such average.

4. By combination of the above, 1 out of every 1.48 discharges, or 19.13+ per cent. of such average.

5. By friends of unrecovered patients, in 1 out of every 3.98 discharges, or 9.12 per cent. of such average.

Although these ratios, pending confirmation, do not warrant a final conclusion, they excite such queries as these:—

Is such low recovery rate the inevitable outcome of mental disease?

Are adequate measures being taken for the cure of the insane?

Is a mortality rate of 1 in every 10 of the insane population in public institutions, compared with 1 in every 56 in the general population of the State, the necessary accompaniment of insanity, or is it chargeable in part to the long continuance of overcrowding in such institutions?

Does the fact that, out of every 4 discharges of unrecovered patients, only 1 is made at the solicitation of friends or on the recommendation of hospital authorities, signify that their condition permits only such small proportion to be returned to life in the community, or is insufficient effort being made to assist or induce friends to receive them?

Overcrowding in public institutions is greater than a year ago by 176 men, 197 women, 373 total, inasmuch as the

additions to present hospital buildings which have been authorized by the Legislature and for which appropriations have been made are not yet ready for occupancy, although good progress is being made toward that end. These will be completed probably during the coming year, and will afford accommodations as follows:—

		Men.	Women.	Total.
At the Worcester Hospital,	.	—	60	60
Taunton Hospital,	.	—	55	55
Northampton Hospital,	.	—	85	85
Danvers Hospital,	.	40	—	40
Westborough Hospital,	.	100	—	100
Medfield Asylum,	.	80	70	100
Asylum for Insane Criminals,	.	22	—	22
Asylum Wards, State Hospital,	.	100	—	100
Hospital for Epileptics,	.	50	50	100
Total,	.	342	320	662

Hence, at the end of another year, after allowing for an increase of the insane at a rate equal to that of this year, overcrowding will be lessened by about 166 men, 123 women, 289 total. Nevertheless, it will still be excessive, as will be seen from a census taken on Oct. 20, 1901, which showed that 192 or 5.12 per cent. of men, 385 or 9.58 per cent. of women, 577 or 7.43 per cent. of all patients in public institutions, were sleeping on beds set up permanently in spaces originally intended for day use; that 425 or 11.33 per cent. of men, 535 or 13.32 per cent. of women, 960 or 12.36 per cent. of all patients, were sleeping on beds set up in such spaces *each night* and *removed each morning*, notwithstanding the conversion of single into double rooms to a considerable extent, and an excessive number of beds in dormitories. The adverse consequences of such conditions from a hygienic stand-point, the danger of spreading contagion in time of an epidemic, the increased interference of patients with each other and consequent excitement, the greater tax upon the time of nurses and the destructive effects on buildings, are too apparent to need comment.

Therefore we recommend that appropriations be made this year by the Legislature to provide for an increase of about 375 patients, and the relief of overcrowding by about 100 patients, or a total of about 475 patients.

Moreover, the beginning of State care on Jan. 1, 1904, will require still further provision, although its introduction may be gradual, according to a plan hereafter to be considered.

#### GENERAL PRINCIPLES OF EXTENSION OF PROVISION.

For the present, such extension of provision should be made in connection with existing institutions. This would enable each to perfect and add to its facilities for doing its distinctive work, allowing steady and gradual progress to be made by each, without too great interference with fixed duties and with a just recognition of the claims of all. Close supervision and careful planning to meet specific needs could be had from permanent and experienced boards of trustees and superintendents, ensuring the best results with the most economical expenditure.

Emphasis should be laid upon the advisability of first meeting the present requirements of each institution for doing its special work in the most enlightened manner. Simple enlargement of existing plants without adding new facilities for classification and treatment should be left an open question for the present.

The present system of State care of the insane recognizes their classification roughly into three main groups, viz. :—

(a) The acute and curable insane.

(b) The chronic insane of the *custodial* class, who require strict supervision and restraint for the protection of themselves or the public, and those of the *infirmary* class, both of which classes are suitable for care on a plan having a compact arrangement of buildings.

(c) The colony class of chronic, able-bodied insane, who are competent, or may be taught, to do some useful work toward self-support, and can safely be allowed greater liberty and more homelike conditions.

These classes represent the distinctive work of three

types of institutions: the hospital (*a*), the asylum (*b*) and the colony (*c*). While each type differs materially from the other in its functions, kind of officers and organization, so that it might seem theoretically desirable to keep each absolutely distinct from the other, present conditions and practical considerations render it impossible.

The hospitals receive all commitments by the courts or otherwise, and consequently have all classes of patients. They have become large institutions, accommodating on the average about 800 persons. Of these, only about 7 per cent. are acute and curable, while 93 per cent. are chronic and incurable,—that is, asylum and colony cases. It is apparent, therefore, that the hospitals cannot be converted into purely curative institutions, on account of the relatively small percentage of curable patients. On the other hand, the claims of locality, which require the treatment of patients as near their friends as practicable, forbid the aggregation of the curable class in any one hospital. Furthermore, the friends of a certain proportion of asylum and colony cases demand provision for them in their present locations on account of their proximity. Each institution, also, has need of workers on its wards, in industrial departments and on its farm, and for economical reasons their removal would be inadvisable within the limits of such requirement.

Therefore the care and treatment of curable insanity should assume the first importance in the hospitals, but custodial and infirmary functions must continue to be large and colony work advisable so far as economic considerations and demands for local provision require.

The asylums receive by transfer from the hospitals only chronic and incurable patients, who are chiefly of the disturbed and infirm classes. However, with abatement of excitement, a fair proportion of them become helpful workers, and others may be developed into such by suitable training. Hence, the curative work of the hospitals is eliminated in the asylums, but their custodial, infirmary and colony functions are identical.

The colony, like the asylums, will receive only chronic and incurable patients, but they will be of the quiet and

able-bodied class. This, however, will not be a constant condition. Some will become disturbed and must be cared for during the continuance of temporary excitement, others will become acutely ill and others enfeebled by age or disease; so that the colony will be compelled to do an increasing amount of custodial and infirmary work, although its distinctive features will be the utilization of intelligent labor, the training of demented patients into workers, and the establishment of homelike conditions so far as possible.

Present provision for the insane affords a relative excess of accommodation for the custodial class, for which buildings are massive and expensive in construction. Consequently such space is now occupied by a considerable number of quiet and mild patients and by nurses, both of whom might be better provided for in cheaper buildings. Therefore they should be gradually withdrawn into separate institutions, or buildings in connection with those now existing, which may be less costly in construction, equipment and organization than is required to do curative or custodial work.

#### SPECIAL PROVISION RECOMMENDED.

In accordance with the principles above enunciated, the Board advises a continuance of the policy instituted last year, namely :—

1. Development of the State colony each year to provide for about 100 patients.
2. Erection of buildings for working patients at each institution.
3. Provision for nurses, both men and women, outside of the wards and in separate buildings so far as practicable.
4. The addition of infirmary wards, as an extension of present buildings or as separate infirmaries.

Such additions will afford material relief of overcrowding, and some improvement in classification of patients and facilities for doing particular kinds of work; but a further advance in specializing the functions of the hospitals and asylums for the insane seems imperative. The most pressing needs in this respect relate to the acute, curable insane and to the excitable patients of the chronic class.

## THE ACUTE, CURABLE INSANE.

Early and efficient treatment of the acute, curable insane puts the most effectual check upon the increase of insanity, because thus the largest possible number may be restored to sanity, brain damage may be minimized, and its remote consequences through heredity ameliorated. Acute insanity at the best is a most deplorable condition, and affects all grades of society. Its course is so long and the expense involved so great that comparatively few families can bear it without impoverishment; hence, care in a private institution or at home, even if the required skilled attendance were available, is rendered impossible in a great majority of cases.

To these the large State hospital for the insane alone is open. Here they are away from friends, deprived of home comforts, occupations and diversions. They require not only medical attendance and good nursing, but an environment which is congenial and hopeful. Under present conditions they are admitted into large wards and unavoidably brought into contact with 30 or 40 other patients, some of whom are chronic. Every effort is now made in the hospitals to gather such acute cases into special wards and to give them the best possible surroundings; but it is impossible to remove them from the influence of the chronic insane or to classify them in small groups according to their needs. Therefore the first requisite in the treatment of the acute, curable insane would seem to be their separation from chronic patients and their distribution in small groups.

Furthermore, they constitute only a small proportion of the insane, probably less than 7 in every 100 of the patients in our insane hospitals at any one time. By actual enumeration, on Nov. 1, 1899, there were only 317 acute, curable cases, in the judgment of the superintendents, in a total of 6,088 insane persons in Massachusetts public institutions. Each of the five State hospitals had an average of 55.6 such patients.

It must be admitted that the standard of care for these patients should rise above that which is *necessary* for any other class. It is not unreasonable to believe that their

present intimate association with the mass of chronic cases which fill our hospitals tends to lower the standard of care and treatment of the few acute, and to raise it above what is required for the many chronic. Would not their separation effect a saving in care of the latter which would partially compensate for an increased expenditure in behalf of the former? But, whatever the result, this is necessarily the expensive work of a hospital. The best that present knowledge affords is demanded, and no compromise in such work can be accepted.

Finally, the rapid progress in other branches of medical science and the vast importance to the public of a better knowledge of insanity do not permit alienists to be behind in the clinical study and scientific investigation of mental affections. For such purpose there are needed adequate room and equipment, thoroughly trained physicians and nurses, and conditions of work allowing greater individuality than is now possible in so intimate relation to the complex organization of a great hospital.

Such a problem cannot be solved at once, nor without due consideration of the conditions at each of the State hospitals, but the Board suggests it for thought and discussion, and hopes that eventually each of the five State hospitals for the insane will effect a practical separation in environment of the acute, curable insane from the incurable; that each will establish a strictly hospital unit, apart in its location and independent in its operation, except as supervised by a common board of trustees and a general medical superintendent, and that such unit will afford to the patient suffering from acute insanity as enlightened care and treatment as any general hospital can furnish to those afflicted with other acute diseases. Such provision would be in harmony with the progress being made in this direction in other States and countries.

#### CERTAIN CHRONIC, EXCITABLE PATIENTS.

Under this head reference is made to the more troublesome of excitable patients, who require close watchfulness on account of restlessness, noise, violent or destructive

tendencies, meddlesomeness and general unreliability. They number perhaps 50 to 100 in each of the State institutions, and are found in one out of every three or four wards having 30 to 50 patients each. Their characteristics often render it impracticable to take them to the daily walks with other patients. Sometimes they are secluded in their rooms or mechanically restrained. They are a source of disturbance to quiet patients. On account of excitability and meddlesomeness, they need more room than the average patient, and should be distributed in smaller groups. Being frequently deprived of outdoor exercise, they should have ready access to ample veranda space and thus to the fresh air.

Accordingly, we recommend, in connection with each asylum and asylum part of the hospitals, provision for these patients in wards accommodating not more than 15 to 20 patients, with ample verandas for outdoor exercise, of such area that interference with each other would be least likely, and so located that quiet patients would be least disturbed.

#### THE FEEBLE-MINDED.

According to the Massachusetts census of 1895 there were then in the State 1,868 persons classed as idiotic. Obviously the number must be larger now. About 500 such are at the present time inmates of city and town almshouses, and about 50 are boarded in private families by overseers of the poor. Undoubtedly many feeble-minded children are living in homes where they are neglected, idle, and forming vicious habits. Continuance of these conditions will lead to their permanent dependence upon public support, whereas suitable training would convert many of them into useful and partially self-supporting patients in an institution.

The School for the Feeble-minded at Waverley is the only institution in Massachusetts which affords adequate training and supervision for these unfortunates. On Oct. 1, 1901, it had 422 male inmates, 280 female, a total of 702. The utmost limit of its capacity has been reached. Since 1892, 2,219 applications have been made for admission, of which 914 have been accepted, 1,305 rejected on account of insufficient accommodation. Pressure for admission has

been so great that appeals have been made to the Governor and frequently to this Board. It has usually been necessary to deny them because of lack of room, although they would have been granted on their merits. Moreover, such children are sometimes committed to the insane hospitals, because their need of care is so great, and no other place can be found for them.

The necessity for further provision for this class seems urgent. The Board recommends the immediate erection of additional buildings in connection with the School for the Feeble-minded at Waverley. The Board has conferred with the trustees of the school, and has been assured of their co-operation in carrying out this recommendation.

#### SUPPORT OF PATIENTS IN PUBLIC INSTITUTIONS FOR THE INSANE.

The Board has investigated the propriety of commitment in 100 consecutive cases of old people admitted to such institutions during the year, and in each case has endeavored to determine the financial ability of persons legally liable for support. In 16 cases persons were found who are legally liable and able to assume it; in 9 cases there is no reasonable doubt that payment could be enforced.

Inasmuch as these may have been exceptional cases (although taken in consecutive order), and as unforeseen difficulties probably would have been encountered in attempting enforcement, the proportion of successful collections would very likely be smaller than thus indicated. Nevertheless, the investigation tends to show that the support of a considerable number of public charges would be assumed by private persons if systematic and persistent effort were made in this direction.

The possibilities of such relief to the public treasury appear when attention is directed to the large number of patients in public institutions for the insane, and the meagre percentage of private maintenance. The whole number of such patients on Oct. 1, 1901, was 7,946. If no account be taken of reimbursements, 5,198 or 65.4 per cent. were supported by cities and towns, 2,103 or 26.5 per cent. by the State, and only 645 or 8.1 per cent from private sources.

The number of public charges was 7,301, who were cared for at an average weekly per capita cost of \$3.22. Support at this rate for one year would amount to \$167.44 for each patient, or—

\$12,224.68 for 1 per cent. (73.01 patients) of public charges.  
24,449.36 for 2 per cent. (146.02 patients) of public charges.  
36,674.56 for 3 per cent. (219.03 patients) of public charges.  
48,899.24 for 4 per cent. (292.04 patients) of public charges.  
61,123.40 for 5 per cent. (365.05 patients) of public charges.

These considerations and the nearness of State support of all the insane poor lead the Board to recommend, relative to each commitment to a State hospital for the insane, a thorough examination as to the financial ability of persons legally liable for support, and the adoption of appropriate measures to secure payment therefor whenever such a course is justifiable.

#### SUMMARY OF RECOMMENDATIONS.

The recommendations of the Board may be summarized as follows:—

1. That provision be made, in connection with existing institutions, for an increase of the insane of 375 patients, and the relief of overcrowding by at least 100 patients (p. 29).
2. That the State Colony for the Insane be developed each year to provide for about 100 patients (p. 31).
3. That buildings for working patients be erected at each institution (p. 31).
4. That provision for nurses, both men and women, be made outside of the wards and in separate buildings so far as practicable (p. 31).
5. That infirmary wards be provided at each institution, either as an extension of present buildings or as separate infirmaries (p. 31).
6. That a small, acute hospital be erected at each of the five State hospitals for the insane (p. 32).
7. That special buildings for excited patients be constructed at each institution (p. 33).
8. That additional buildings be immediately erected at the School for the Feeble-minded at Waverley (p. 34).

## ESTIMATES FOR APPROPRIATIONS.

The Board is required to embody in its annual report a properly classified and tabulated statement of its estimates for appropriations for the ensuing year, and of the estimates for special appropriations to the State institutions under its supervision, with its opinion as to the necessity or expediency of appropriations in accordance with such estimates, in compliance with the provisions of section 4, chapter 87, Revised Laws, namely:—

The report shall contain a properly classified and tabulated statement of the receipts and expenses of the board, and of each of the several state institutions under its supervision for said year, and a corresponding classified and tabulated statement of their estimates for the year ensuing, except estimates for the ordinary expenses, with its opinion as to the necessity or expediency of appropriations in accordance with said estimates.

*Estimates by the State Board of Insanity.*

APPROPRIATIONS,—FOR WHAT REQUIRED.	Esti- mates for 1902.	Amounts apro- priated for 1901.	Increase or Decrease.	Citation of Statute Provisions relating to Expenditures.
Travelling and office expenses,	\$5,000	\$5,000	-	
Salaries of officers and employees,	16,200	14,700	Increase of \$1,500.*	
Transportation and medical examination of State paupers,	8,500	\$,500	-	
Support of insane paupers boarded out in families,	10,000	\$,000	Increase of \$2,000.†	Chapter 87, Revised Laws.
Support of State paupers in the Hospital Cottages for Children, .	6,000	22,000‡	-	
	<u>\$45,700</u>	<u>\$58,200</u>		

\* The increase of \$1,500 in the appropriation for salaries of officers and employees is required for the salary of an additional officer.

† The increase of \$2,000 in the appropriation for the support of insane paupers boarded out in families is required for the support of an increased number of boarded-out State patients.

‡ Included the support of the same class of cases in the School for the Feeble-minded.

## ESTIMATES FOR APPROPRIATIONS TO INSTITUTIONS.

The Asylum for Insane Criminals does not ask for any special appropriation this year.

The needs of the other institutions are set forth in their annual reports, and require no further description here.

The State Board has considered carefully the reasons for the appropriations desired, and in the main agrees with the trustees, and advises carrying out their recommendations, with the following modifications : —

*Worcester Insane Hospital.*

*Additional Appropriation for Nurses' Home.* — A careful examination of the plans, specifications and estimates for this building, as submitted by the trustees, convinces the State Board that the present appropriation will be sufficient, without cheapening the quality of the work, if the rooms are made smaller, the area of corridor space reduced and plumbing centralized.

*Electric Lighting.* — The State Board approves electric lighting in institutions for the insane, but considers more urgent at the present time the need of relieving overcrowding and making additional provision for the increasing accumulation of the insane. It therefore advises postponement of this improvement.

However, the Board understands that there is immediate need of more power in new industrial rooms, and that the present engine is old and liable to break down at any time. It is desirable that such need should be met in connection with a central electric lighting and power plant sufficient for the entire institution, and in such way that no work will have to be undone when the time arrives for adding electric lighting to the power plant. It is therefore desirable to enlarge the present boiler house and to make such alterations in the engine room as will afford sufficient space for the completed plant, and that sufficient power equipment should be purchased and installed this year as will meet the immediate need. The estimate for such portion of the work is \$16,000, and the appropriation of this sum is recommended by the Board.

*Mortuary.* — The State Board understands that it is desired to erect in the rear of the present hospital a one-story building, 45 by 61 feet on the foundation. The Board approves of such a building at an expense not exceeding \$10,000.

*Worcester Insane Asylum.*

*Addition and Alterations in Kitchen, Bakery and Store Room Building.*—These changes are necessitated by the gradual enlargement of the asylum. After consultation with the superintendent, it has been agreed that \$23,500 will be sufficient to do the work.

*Additional Land.*—For reasons already stated in this report, it is desirable that this asylum should be gradually extended. It is located in the midst of the city of Worcester, so that without the purchase of more land such extension is impossible. The trustees have conferred with the State Board, and both recommend that \$25,000 be appropriated for this purpose.

*Danvers Insane Hospital.*

*Buildings for 300 Women Patients of the Colony Class.*—The State Board understands that it is desired to erect near the present institution four detached buildings, arranged in a rectangle about a central kitchen and dining room building, to provide for 300 women patients of the quiet, able-bodied, chronic class. The Board believes that such patients, who constitute the colony class, should be cared for at a greater distance from the parent institution, under conditions which would allow greater freedom, more homelike conditions, more varied classification and fuller occupation. It will be necessary for each hospital to provide for this class so far as the claims of its locality, its need of working patients and economy of administration require. In doing this, the Board would advise that additional land be purchased at a convenient distance from the present plant, where a sufficient acreage may be purchased at a reasonable rate. On account of the claims of other institutions which are equally overcrowded, it is hardly equitable to build for 300 patients at one time at any one institution. The State Board recommends that an appropriation be made for no more than 100 patients this year. Inasmuch as this class of patients can live in inexpensive buildings, it believes that \$500 per capita will be sufficient for constructing, furnishing and equipping buildings for their care.

The above and other recommendations for special appropriations are classified in the tabulation following:—

INSTITUTIONS.	Objects.	Amount recommended by State Board.
<i>I.—Insane.</i>		
Worcester Hospital, . . .	Enlarging boiler house; alterations in engine room; equipping with new boilers, engines, dynamos and motors. Mortuary, . . . . . .	\$16,000 10,000 \$26,000
Taunton Hospital, . . .	Purchase of Leonard estate; repairing and furnishing the old buildings for 20 male patients. Construction of a new barn and silo at the Raynham farm and equipping the same; repairing two old barns and building a carriage house. Enlarging bakery and building new oven, . . Building a house and cellar for storing vegetables. Painting the external woodwork of the entire institution. Purchase and installing laundry machinery, kitchen apparatus, and laying new floor in kitchen and back space. Purchase and installing telephones, . . .	\$7,500 8,800 3,200 1,000 3,000 1,800 625 \$25,925
Northampton Hospital, . .	Purchase and installing new boiler and machinery for carpenter and machine shops.	\$3,500
Danvers Hospital, . . .	Renewal and repair of plumbing in front and rear centre buildings. New floor and repairs in basement, . . . Repairs in old laundry rooms; enlarging and repairing kitchen; resetting, renewing and adding kitchen apparatus. Alterations and repairs in seed house and farm house, to accommodate 20 male patients. New ice house, . . . . . Completion of repairs on outside of buildings, Electric motors, . . . . .	\$3,000 2,500 3,000 3,500 1,600 2,500 1,200 \$17,300
Westborough Hospital, . .	Constructing and furnishing buildings to provide for 100 insane women. The purchase of a new boiler, and alterations in heating system to utilize exhaust steam. Extension of present sewerage system to provide for the disposal of sewage from the new buildings, and the purchase of necessary apparatus. Alterations in main building, to provide suitable rooms for pathological and surgical work.	\$50,000 5,000 8,000 5,000 \$68,000

INSTITUTIONS.	Objects.	Amount recommended by State Board.
Medfield Asylum, . . .	Constructing and furnishing a building for 100 excited women patients. Additions and alterations in laundry building, and installing of necessary laundry machinery. Addition to cow barn, . . . . . Extension of pipes of sewer beds and masonry, Cement walks, . . . . . Underground electric cable from power house to nurses' home, and thence overhead to farm house and barn.	\$80,000 8,000 8,000 500 800 2,000  \$99,300
State Hospital at Tewksbury, .	Constructing and furnishing, ready for use, a building for 100 insane women patients.	\$60,000
Worcester Asylum, . . .	Addition and alterations in kitchen, bakery and store room building. Acquiring additional land, . . . . .	\$23,500 25,000  \$48,500
Hospital for Epileptics, . .	Purchase and installing of a new boiler, electric generators, engines, motors and other necessary electrical apparatus. Constructing and furnishing a new building to accommodate not less than 40 nurses.	\$19,000 20,000  \$39,000
State Colony for the Insane, .	Constructing, furnishing and equipping buildings providing reception and infirmary wards, offices for general administration, and for other work necessarily connected with their occupancy. (The trustees of this colony have been recently appointed, and on this account have not had time to mature definite plans for buildings. It is, however, important that they should begin work immediately. The State Board would therefore recommend the appropriation of this sum at the earliest date possible.)	\$100,000
<i>II.—Other Classes.</i>		
Hospital for Dipsomaniacs, .	The purchase and installation of an additional electric generator and engine, with the necessary equipment, electric motor for laundry and changes in exhaust and drip pipes.	\$6,000
School for the Feeble-minded,	Additional land, 55 acres (approximate), . . . Dormitory for 100 inmates, . . . . . Dormitory for 80 inmates, . . . . . Addition to electric plant, . . . . . Addition to heating plant, . . . . . Additional appropriation for addition to administration building. Furnishing, . . . . . . .	\$34,000 40,000 27,000 2,000 4,000 15,000 7,200  \$129,200
	(If the whole sum should be approved, and \$75,000 appropriated this year and the remainder early next year, prosecution of the work would not be retarded.)	

*Summary of Appropriations recommended.**I.—Insane.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	\$257,700
(a) Number of patients provided for, . . . . .	480
(b) Average per capita cost, . . . . .	\$536 87
2. Land; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	229,825
<b>Total I., . . . . .</b>	<b>\$487,525</b>

*II.—Other Classes.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	\$74,200
(a) Number of patients provided for, . . . . .	180
(b) Average per capita cost, . . . . .	\$412 22
2. Land; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	61,000
<b>Total II., . . . . .</b>	<b>\$135,200</b>

*Total I. and II.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	\$331,900
(a) Number of patients provided for, . . . . .	660
(b) Average per capita cost, . . . . .	\$502 87
2. Land; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	290,825
<b>Grand total, . . . . .</b>	<b>\$622,725</b>

## REVIEW OF THE YEAR.

*New Legislation.*

General legislation relative to the institutions and persons under the supervision of the Board of Insanity was enacted by the Legislature of 1901, as follows:—

[ACTS OF 1901, CHAPTER 303.]

AN ACT RELATIVE TO THE EXPENDITURES OF CERTAIN STATE INSTITUTIONS.

*Be it enacted, etc., as follows:*

SECTION 1. An annual appropriation shall be made for the support of each of the state insane hospitals and insane asylums, the Massachusetts hospital for dipsomaniacs and inebriates, the Massachusetts hospital for epileptics, the Massachusetts state sanatorium, and the Massachusetts School for the Feeble-minded; and the amount of the appropriation shall be determined by estimating, at the rate of board fixed by law, the cost of the average daily number of state patients for the year next preceding, increased by a number equal to the average annual increase in the number of such patients for the five years next preceding, in each of said institutions; and a statement showing said average number and said annual increase in number shall be submitted to the auditor by the trustees of each of said institutions on or before the fifteenth day of December in each year. The salaries and wages of all officers and employees and all bills for supplies and other expenses of said institutions shall be paid from the treasury of the Commonwealth, upon detailed schedules sworn to by the superintendent and approved by the trustees. Full copies of the pay rolls and bills shall be kept at each institution, but the originals shall be deposited with the auditor as vouchers.

SECTION 2. All moneys received from cities and towns or from individuals for the support of inmates in said hospitals, asylums or other institutions, and moneys received for articles sold therein, shall be paid into the treasury of the Commonwealth as often as once in each month; and so much of said receipts as may be needed to pay the expenses of said institutions is hereby appropriated for that purpose, and any excess of receipts above expenditures remaining in the treasury of the Commonwealth may be used for the expenses of the succeeding year: *provided*, that payments of said expenses shall be allowed by the auditor only

upon schedules duly certified and approved, as required by section one hereof, and that the receipts from any one of said institutions shall be applied to paying the bills at that institution only.

SECTION 3. There may be advanced to the treasurer or disbursing officer of any one of said institutions, under the provisions of chapter one hundred and seventy-nine of the acts of the year eighteen hundred and eighty-four, and of acts in amendment thereof and in addition thereto, a sum not exceeding two thousand dollars for an institution having five hundred or less inmates, and a sum not exceeding five thousand dollars for an institution having more than five hundred inmates.

SECTION 4. Nothing in this act shall be construed to affect the powers of the trustees of said institutions under the provisions of section five of chapter eighty-seven of the Public Statutes and chapter one hundred and fifty of the acts of the year eighteen hundred and fifty, and acts in amendment thereof, nor their right to regulate or control the expenditure of any funds held by them under the provisions of said acts.

SECTION 5. This act shall take effect on the first day of January in the year nineteen hundred and two. [Approved April 23, 1901.

[ACTS OF 1901, CHAPTER 282.]

AN ACT RELATIVE TO THE COMMITMENT OF WOMEN SUBJECT TO DIPSOMANIA OR INEBRIETY.

*Be it enacted, etc., as follows:*

SECTION 1. The proceedings on the commitment of women afflicted with or subject to dipsomania or inebriety to any state hospital or institution shall be in accordance with the provisions of chapter three hundred and thirty-nine of the acts of the year eighteen hundred and eighty-five, of chapter four hundred and fourteen of the acts of the year eighteen hundred and eighty-nine, and of chapter two hundred and sixty-six of the acts of the year eighteen hundred and ninety-nine, and of all acts in amendment thereof and in addition thereto: *provided, however,* that this act shall not be construed to authorize the commitment of women to the Massachusetts hospital for dipsomaniacs and inebriates.

SECTION 2. All acts and parts of acts inconsistent herewith are hereby repealed.

SECTION 3. This act shall take effect upon its passage. [Approved April 11, 1901.

*Special Appropriations, 1901.*

INSTITUTIONS.	OBJECTS.	SUMS APPROPRIATED.	PERSONS ACCOMMODATED.		
			Men.	Women.	Total.
<b>I.—Insane.</b>					
Worcester Hospital, . . . . .	For constructing, furnishing and equipping a building sufficient for the accommodation of 60 nurses (Acts, chapter 471).	\$45,000	-	60	60
Taunton Hospital, . . . . .	For constructing, furnishing and equipping a building sufficient to accommodate not less than 65 nurses (Acts, chapter 471).	\$39,000	-	55	55
Northampton Hospital, . . . . .	For infirmary and nurses' home, . . . . . For hay barn, cow stable, silo and equipment with ensilage cutter, grist mill and motor. For connecting present sewerage system with system of Northampton (Acts, chapter 471).	\$55,000 16,000 3,000	-	85	85
Danvers Hospital, . . . . .	For a building for patients engaged in farm work, . . . . . For a detached building for surgical operations, . . . . . For rebuilding greenhouses, . . . . . For putting fire-escapes on the dining hall (Acts, chapter 471), . . . . . To provide for scales, and for a subway and platform for the disposal of ashes. For pointing and painting the outside of buildings, and renewing wood-work and sashes, repairing sunrooms and providing storm doors and porches (Resolves, chapter 82).	\$25,000 5,000 3,000 1,000 2,500 7,500	40	-	40
					\$44,000

*Special Appropriations, 1901—Concluded.*

INSTITUTIONS.	Objects.	Sums appropriated.	PERSONS ACCOMMODATED.		
			Men.	Women.	Total.
Westborough Hospital, . . . . .	For the purchase of land, buildings and chattels thereon, the construction of new buildings and repairs and alterations of existing buildings sufficient to accommodate not less than 100 patients. For the construction of an ice house (Acts, chapter 471), . . . . . For painting the interior walls of the Talbot building (Acts, chapter 471), . . . . . For enlarging a ward dining room, fencing land, paying the cost of a heater in Stanley house, and for the purchase of live stock and laundry machinery (Resolves, chapter 78). . . . . For new boilers and setting the same (Resolves, chapter 78), . . . . .	\$50,000 1,600 1,000 1,900 3,500 <hr/> \$58,000	100	-	100
State Hospital, . . . . .	For furnishing, heating and lighting the new asylum building (Acts, chapter 471).	\$10,000			
State Farm, . . . . .	For erecting a detached building, including heating, lighting and furnishing, to accommodate not less than 25 attendants and employees (Acts, chapter 471).	\$15,000	25	-	25
Medfield Asylum, . . . . .	For erecting and furnishing a suitable building for a nurses' residence (Acts, chapter 446).	\$50,000	-	70	70
Hospital for Epileptics, . . . . .	For furnishing the new building recently erected, . . . . . For purchase of farm and buildings thereon, . . . . .	\$20,000 3,500			

	For the erection of a laundry building and for placing therein suitable machinery.	9,500
	For painting (Acts, chapter 447), . . . . .	1,000
		\$34,000
<b>II.—Other Classes.</b>		
Hospital for Dipsomaniacs,	For the construction of a building for workshops, . . . . .	\$2,500
	For addition to piggery, . . . . .	600
	For the purchase of land (Resolves, chapter 61), . . . . .	450
		\$3,550
School for the Feeble-minded,	For making additions to and alterations in the laundry, hospital and administration buildings (Resolves, chapter 81).	\$25,000

*Summary of Special Appropriations.**I.—Insane.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	\$309,000*
(a) Number of patients provided for, . . . . .	435
(b) Average per capita cost, . . . . .	\$641 38
2. Land ; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	60,000
Total I., . . . . .	\$369,000

*II.—Other Classes.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	
2. Land ; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	\$28,550
Total II., . . . . .	\$28,550

*Total I. and II.*

1. Erection, furnishing and equipping buildings for patients, . . . . .	\$309,000*
(a) Number of patients provided for, . . . . .	435
(b) Average per capita cost, . . . . .	\$641 38
2. Land ; buildings for administrative purposes, including furnishings and equipment; improvements and repairs, . . . . .	88,550
Grand total, . . . . .	\$397,550

\* Includes \$30,000 for the furnishing, etc., of buildings for which appropriations were made in 1900.

### THE STATE BOARD.

The purchase of land for the State Colony for the Insane was made a duty of the Board by section 3, chapter 451, Acts of 1900, namely:—

The state board of insanity is hereby authorized, with the approval of the governor and council, in the name and behalf of the Commonwealth, to take, by purchase or otherwise, a tract of farming or other land, suitable in its judgment for the establishment of a receptacle for the care, custody and control of the insane. Said tract shall consist of not less than fifteen hundred nor more than twenty-five hundred acres, and may include buildings or other chattels thereon.

Search for a suitable location was begun immediately after the passage of the act, and in December, 1900, a very desirable site was selected in the town of Rutland, where about 1,600 acres of land were bonded by the Board. Although this acreage is now outside of the limits of the metropolitan water district, consultation with the State Board of Health revealed the probability of future extension of the district to include it. In such event, the proper disposal of sewage from the colony, with its numerous and scattered groups of buildings, would have involved great expense and some interference with its development. Under these conditions, it did not seem advisable to complete the purchase.

Similar objections, arising out of the probable extension of the metropolitan water district to include the basins of the Assabet, Ware and Swift rivers, greatly restricted the Board, and increased its difficulties in selecting a site with good railroad facilities, and caused unexpected delay in the establishment of the colony. Finally, however, a tract of land was found in Gardner, Westminster and Ashburnham, which met the approval of the Governor and Council and the State Board of Health, and is eminently suitable for the purposes of the colony.

It consists of 1,500 acres of land, extending within about  $2\frac{1}{2}$  miles of Gardner depot on the west and less than a mile from Ashburnham Junction on the north. The main line

of the Fitchburg railroad runs through it, along which side tracks can be easily built. Its surface is uneven, affording numerous good building sites, which rise to elevations of 1,000 to 1,200 feet above sea level and surround a central basin several hundred feet below, into which the sewage from any part may be easily carried. A small stream with a good mill privilege flows through the property.

Although much of the land is rough and rocky, the soil is good and several hundred acres can be quickly brought under cultivation. There are excellent pastures, much standing wood and timber and numerous fruit trees. Five sets of old buildings can be temporarily used, but will be of little permanent value.

The property was held by twenty-five different owners, under forty separate titles, of which the records and descriptions were so defective and indefinite that much labor was involved in looking them up. It was found that a clear title to much of the property could be had only by exercising the right of taking by eminent domain, provided for in the act authorizing the purchase. This necessitated making, at considerable cost, a survey and map of the whole tract.

The preliminary steps to this end have been taken. It is confidently expected that the formal taking of the property will be completed in time to allow the board of trustees to begin their service on the first Wednesday of February, 1902.

There remains a small balance of the appropriation of \$25,000, with which more land will be acquired.

Stated meetings of the Board have been held on the second Wednesday of each month, and in addition fifteen special meetings.

Visits of inspection have been made to the different institutions by the Board, and in addition by its executive officer and deputy executive officer to the number of 123.

Twenty-two special investigations have been made with reference to the commitment, mental condition or treatment of patients in institutions, almshouses or private families, at the request of various persons interested.

In compliance with section 7, chapter 87 of the Revised

Laws, namely, "The board shall inspect and approve all plans and specifications for new buildings which are to be used by the Commonwealth as institutions coming under the supervision of the board, and for the extension or alteration, involving an expenditure of more than two thousand dollars, of existing buildings which are to be or are already so used, before such new building is erected or such extension or alteration is made," the Board has examined and approved plans and specifications as follows:—

*Nov. 28, 1900.*—Medfield Asylum: A farm building, provided for in chapter 52, Resolves of 1899; a new filtration area of about two acres, expense to be met out of current income.

*Feb. 13, 1901.*—State Hospital: An asylum building, provided for in chapter 70, Resolves of 1900.

*June 26, 1901.*—Westborough Hospital: An addition to and alterations in the old farm house upon the estate recently purchased, to provide for 32 patients, as provided for in section 2, chapter 471, Acts of 1901.

Danvers Hospital: A farm house and a surgical building, provided for in section 2, chapter 471, Acts of 1901.

*July 10, 1901.*—Hospital for Epileptics: A new laundry building, provided for in section 1, chapter 447, Acts of 1901.

*July 31, 1901.*—Hospital for Dipsomaniacs: A new workshop and an addition to the piggery, provided for in chapter 61, Resolves of 1901.

Worcester Hospital: Additions and alterations in the laundry building and boiler house, expense to be met out of current income.

Hospital Cottages for Children: A new building, to accommodate 50 patients, provided for in chapter 86, Resolves of 1900.

Westborough Hospital: Two buildings, each to accommodate 35 patients, provided for in section 2, chapter 471, Acts of 1901.

Asylum for Insane Criminals.—A building for 25 nurses, provided for in section 2, chapter 471, Acts of 1901.

*Aug. 14, 1901.*—Taunton Hospital: A nurses' home, provided for in section 2, chapter 471, Acts of 1901.

A license to receive insane persons for care and treatment in the New England Sanitarium and Benevolent Association at South Lancaster, Mass., has been granted by the Governor and Council, on the recommendation of the Board.

According to the provisions of section 11, chapter 87 of the Revised Laws, namely, "The board and the boards of trustees of the state institutions under its supervision, or their representatives, shall meet semi-annually for consultation and harmonious action," conferences with the trustees were held on Dec. 19, 1900, and June 25, 1901. The subjects for discussion were:—

*Dec. 19, 1900.*—The aged inmates of our insane hospitals and asylums, or any inmates who may be considered unsuitable for such care; number, classes and special needs of such; classes of such suitable for care in institutions for the insane; means of preventing commitment of unsuitable cases; should further provision be made for the care of the aged in existing institutions; is there need of an independent State institution for old people?

*June 25, 1901.*—Indoor occupation of the insane in making brushes, mattresses, clothing, etc.: is it a help or a hindrance to recovery; kinds of such occupation now pursued or suitable for introduction into your institution; number, percentage, and class of patients so employed; rules as to outdoor exercise, hours, supervision, etc.; should such employment be largely restricted to cold weather; can it be made more than self supporting?

The arrangement of details for future conferences has been delegated to standing committees appointed by the State Board and by the executive committee of the Trustees' Association. The conferences will be held semi-annually, at the State House, on the third Tuesday of November and May, at 10.30 A.M.

#### PUBLIC INSTITUTIONS.

The general administration of the different institutions has been good in the main, and is commended by the Board.

Unusual activity in making structural additions and improvements has been apparent during the year, owing to the

large appropriations made for this purpose by the last Legislature. These provide for the erection of four nurses' homes, one infirmary and four buildings for working patients, affording accommodations for 435 persons, at an average per capita cost of \$641.38. The total sum appropriated for these purposes and for improvements and repairs amounted to \$397,550, distributed among the institutions, as shown in the tabulation on pages 45-47.

*Worcester Hospital.*

The chapel wing extension, described in our last year's report (pages 56 and 57), has been completed, and will be occupied as soon as the necessary furniture can be provided. The chapel itself has been enlarged by moving back the stage 20 feet into the new wing; it has also been repainted and frescoed.

Extensive alterations have been made in the laundry, affording additional space for new machinery. A new dry-ing room has been installed, of fire-proof construction,—an eminently wise precaution against fire, inasmuch as most of the fires in institutions of this character originate here.

The roof of the boiler room and coal shed has been raised, providing much-needed room for mechanical departments. This work has been done for the most part under the super-vision of the hospital corps of mechanics, largely by patients' labor, and has been paid for out of the current income of the hospital.

Steady progress has been made, as in previous years, in advancing the standard of medical and scientific work under the supervision of the medical director, who describes the results of the year's investigations in the following extracts from his report to the trustees:—

The fifth year of the present organization of the medical work has brought an increase of labor both on the clinical side and on the side of the post-mortem investigation. Considering further the extension of the scope of the work laid out as a routine in each case, we find ourselves before a much greater output of work than in the previous years.

The number of admissions was 588, that of discharges 580, and

the total of careful records is thus brought near the number of 2,500. The autopsies reached the number of 80, *i.e.*, 60 per cent. of the deaths, as in previous years.

With four senior and four junior assistants on the clinical side and one assistant on the autopsy work, practically all the time and energy at our disposal have been taken up with the routine, and the general result has been that the work done is decidedly of greater permanent usefulness than in the previous years. The chief improvements are: (1) in the greater accuracy of the clinical records and greater clearness in their arrangement; (2) the greater number of examinations for special features of the urine, of the blood and the gastric contents; and (3) a much more uniform and reliable material from the autopsies.

The chief results are that a much more definite attitude has been reached concerning the interpretation of many phenomena. In the field of pathological anatomy an important result has been reached concerning some findings of the character of a parenchymatous degeneration of systems of nerve fibres and of cell-types in certain forms of melancholia, of alcoholic-senile processes, etc., presented to Boston Medico-Psychological Society and published in "Brain." The principal result is that the anatomical condition is far more extensive than had been supposed by Turner, Worcester and others who had come across it since my first publication in 1897, and that Turner forced the facts when he thought he had found in the condition an explanation for both melancholia and mania. The degeneration is found in many parts which are not supposed to have anything to do with the mental symptoms, and this leads us to insist upon an important practical hint at variance with the recommendations of the leading German students in this field, viz.: their claim that the pathological anatomy of mental diseases is to be sought in the cerebral cortex. Our findings and the hasty conclusions of Turner together show that the day has not come when restriction of work on too narrow parts of the nervous system will not lead, of necessity, to narrow and easily wrong views.

The studies on special cell-types have been continued, but they have been withheld from publication because a number of points require clearing up, and because it is not desirable that the literature should be swelled with simple descriptions before sufficiently useful explanations can accompany them. A summary of the principal facts is now in preparation for an article on the general pathology of insanity for the "American Reference Handbook of Medical Science."

In the studies of the blood, as in the other lines, much of the results tend to invalidate hasty claims of the existing literature; and a certain attitude of distrust which was entertained concerning the curious wave of "blood work" in previous reports can hardly be said to have been dispelled. Some interesting studies have been carried further by Dr. Hoch on the blood changes in a case of episodic epileptic insanity. They will be published in connection with some allied material.

An interesting study has been made on the question of excretion of indican in various types and stages of mental disorders, by Dr. Coriat. His contribution will soon be in shape for publication.

A leave of absence granted me made it possible to see some of the leading research stations in Europe, to attend several important European conventions, and to add to the foundation for some topics of clinical research by work in various clinics. . . .

This is not the place to enter upon the details of investigations and their possible influence on our own plans of work. Everywhere, also in the congress at Berlin, one sees strong efforts towards getting more solid foundations in clinical psychiatry. It is striking how everywhere the laboratory work is given the position of an adjunct, not of the centre, as is unfortunately the tendency in Anglo-Saxon countries. In this direction Edinburgh is likely to take the first step towards the construction of hospital wards for the central institute of psychiatry.

On the feelings concerning our own work here the whole review of European efforts has had the effect of a wholesome corroboration of the intentions with which we started out in this hospital, and the only regret is that they had to be adapted to such a large material.

#### *Taunton Hospital.*

Malaria has been less prevalent, in the ratio of 86 cases this year, compared with 184 last year. The disease seems to be slowly abating in the city as well as in the hospital.

The clinical study of patients, case taking and pathological work are under the supervision of a special assistant. His time has been largely taken up during the year with the clinical study of patients, which has allowed little attention to be paid to research work in the laboratory. Twenty-six autopsies have been performed.

The attempt is made in this hospital, as in most of the others, to bring the acute cases together in wards separate

from the chronic, and to establish a hospital régime, so far as possible. Here it is found practicable to treat most of these, even excitable patients, in open wards, with resort to single rooms only in rare instances.

The excellent work of the training school for nurses is seen in the more intelligent and better care of the patients. Five nurses completed the prescribed course and passed satisfactory final examinations.

The erection of a home for women nurses has been begun.

About 20 working patients are living at the Raynham farm, performing much labor upon the land, and receiving great benefit, both mental and physical, from the freedom of outdoor life.

The possibilities in the occupation of patients are well illustrated at this institution. The superintendent gives, in his annual report, an interesting account of his methods and the variety of employments, as follows :—

Recognizing the fact that systematic occupation under well-regulated conditions is perhaps the most important agent we possess in hospital treatment of the insane of the chronic class, and of many who are recovering from acute attacks, constant effort has been made to find employment for all patients who are able and willing to work, and to stimulate an interest in work in those who from mistaken motives are disinclined to employment of any kind. When appealed to in the right spirit, it has been found that patients who are self-supporting are quite as inclined to work as are those who are supported at the public expense.

No difficulty has been experienced in finding suitable employment for all who are able and willing or can be persuaded to work, so various are the different places about the hospital where patients' labor can be utilized. The number of patients employed in the different departments of the hospital has been slightly increased during the past year, the percentage of men being 64; of women, 60. People not acquainted with the management and daily routine work of the hospital may be interested to learn of the various departments in which patients are employed, and for the information of such the different places are here mentioned with the number of patients employed in each. On the home farm, including the garden, barn and piggery, on an average about 30 patients are employed, and at the Raynham farm about 20; about 8 at the greenhouse and flower garden through the summer, and a less

number through the winter; 1 man has the care of the lawn in the rear of the hospital, 1 the care of the rear gate, 1 the care of the front avenue and 1 the front gate and the grounds about the entrance; 4 men are employed at the boiler house, 2 in the carpenter's shop, 2 with the painters, 2 with the masons and 1 at the stable; 1 has the care of the golf links and 1 the care of the tennis court; from 14 to 16 men are employed in the laundry, 2 in the bakery, 8 in the kitchen and basement, 2 in the storeroom and one assists the librarian and does other clerical work.

About 30 men on the average are employed in the industrial building, where several kinds of work are carried on,—making brushes, repairing furniture, upholstering, making and repairing boots, shoes and slippers and making and repairing men's clothing. The latter has been developed more during the past year, and at present a considerable number of coats, vests and trousers are being made, besides some underclothing. The patients employed in this building work in two divisions, one division in the forenoon and one in the afternoon, so that each has his forenoon or afternoon walk for exercise in the open air.

More patients are employed in these industries in the winter than in summer, when the farm is more attractive; but there are always a large number who have been educated in some mechanical employment, and prefer that to the farm work, to which they have not been accustomed.

From 16 to 18 women are employed in the laundry and about the same number in the kitchen; from 18 to 20 in the sewing-room; and nearly twice that number sew and knit on the wards under the direction and supervision of a special attendant who has the care of the work. Many of the women work for themselves a part of the day, sewing or doing fancy work, as they are required to work for the hospital only half a day. A large number of patients, both men and women, assist in ward work, which gives employment for several hours a day.

Patients are employed at various times in the year in extra work about the place, not herein specified, especially when new buildings are being erected. During the present year about 20 men were employed for several weeks in excavating the basement of the nurses' home and digging the trenches for the water and gas pipes. Later, considerable grading will be done. When the regular farm work is slack, those who work on the farm have been employed in clearing up the stumps and underbrush in the pasture, much work of this kind having been done within a few years.

But little success can be attained in creating or developing a

public sentiment for work among patients in a hospital if those who refuse to work are allowed to associate with those who are willing to work; and for this reason I regard working wards, where all the workers are brought together, as necessary for a successful development of the working spirit. In these wards public sentiment is all in one direction, and has the forceful influence which unanimity of sentiment always brings to any cause. On the men's side of the house it has been found necessary to increase the number of working wards, and we now have three; and on the woman's side two are found hardly sufficient.

*Northampton Hospital.*

There have been fewer cases of malaria than last year, probably owing to the exclusion of flies and mosquitoes by fitting fine screens to the windows. Typhoid fever, which was epidemic last year, has appeared in only four cases.

In February a waitress in the superintendent's dining room came down with diphtheria, having contracted the disease from some unknown source. Fourteen other cases followed, only one patient being affected. The vigorous use of anti-toxine and careful isolation controlled the spread of the disease. There were no deaths, and only the first two patients were seriously ill.

No special assistant physician has been appointed to direct the medical and scientific work of the hospital. The superintendent believes that this should be an important part of the duties of each medical man. Much laboratory work has been done, in addition to routine examinations of the blood, urine, etc. Chemical and microscopical examinations of the contents of the stomach have been made as occasion required. The superintendent thinks such measures of value to the patients who persistently refuse to eat, inasmuch as delusions of poisoning often originate in the faulty action of the digestive organs. It is found that the delusions disappear with the correction of such condition.

As in former years, extensive use has been made of the wet pack, with gratifying results in promoting quiet, inducing sleep and improving nutrition.

Nine autopsies have been performed during the year.

The training school for nurses is showing good results in the increased attention and more intelligent care of sick and feeble patients.

No patient has been secluded in a room or mechanically restrained for several years.

The new horse stable begun last year has been completed, and is now in use. This allowed the old stable to be remodelled into a cold storage building. The trustees, in their annual report, describe this and other improvements as follows:—

The old flooring and timbers were removed and the cellar was excavated to a depth of three feet, new sand being filled in and a cement floor laid. New floors were built, dividing the building into three stories. The basement will be for the storage of potatoes. The ground floor is divided into rooms for various uses. In one room eggs will be stored, it being large enough for two car loads. For two years we have had eggs in cold storage in Boston, and our experience warrants us to expect a material economy in this one item alone. This present year we used 14,000 dozen of eggs, and will probably use more in the year to come. Another room of the house is for the storage of butter, being large enough for a year's supply. In a third room will be stored barrelled meats, corned beef, hams, etc. One room is for fresh meats, and the room adjoining is a cutting room. On the second floor apples will be stored, and on the upper floor, which is not properly a part of the cold storage system, will be kept sugar, flour and bulky supplies. An elevator runs from the basement to the upper floor.

The refrigerating machine is a twelve-ton absorption machine, made by the Isbell-Porter Company of Newark, N. J. In this process, brine made of calcium chloride is cooled in the refrigerating machine, and is then pumped through coils of pipe in each of the storage rooms. The desired temperature in the different rooms is secured and regulated by the length of pipe through which the brine is allowed to circulate, each coil of pipe being controlled by valves.

With the exception of setting up the refrigerating machine, the work has been done by our regular force of employees, with the help of patients. The carpenter work has been done by patients working with our carpenter. Nearly one hundred thousand feet of spruce sheathing has been laid, and it is gratifying to say that the patients did their part very intelligently. They apparently en-

joyed the work, and were much improved by it. The machinery is nearly ready to be tested, and the building will be put to use very soon.

In December, 1900, our electric service was increased by the addition of a  $37\frac{1}{2}$  K. W. generator, made by the Westinghouse Electric Company. This is operated by a direct connected Ames engine. Both machines work smoothly, and are very efficient. Since they were installed there has been a continuous electric service during the twenty-four hours of each day.

Since the original electric plant was installed the extension of its use has been constant. For several years the laundry flat irons have been heated by it, water has been pumped from the spring, and a motor has been in use at the barn.

We have purchased a 10 horse-power motor to operate the machinery in the carpenter shop, and another to run the milk separator and the ice cream freezer. As soon as possible we shall purchase one to run the laundry machinery and another for the engineer's shop, and thus be able to do away with the belting, which not only is noisy but requires several horse-power to operate.

The new generator is of a little greater capacity than the old one. It is probable that in a few years, because of new buildings to light and other extensions of the use of electricity, a larger machine, similar to the one just installed, will be required to replace the older one of the two now in use.

A telephone system of thirty stations has been put in, and found to be a saving of time and labor.

#### *Danvers Hospital.*

The general health of patients has been very good. Two nurses have had diphtheria and one typhoid fever, and all recovered. With regard to the prevalence and danger of tuberculosis the superintendent justly says, in his annual report :—

The presence upon our wards of cases of active tuberculosis still continues to jeopardize the hygienic conditions of the hospital, and I again call attention to it as a matter for consideration. It is a problem not easy to solve, yet one which daily appeals to the conscientiousness of any one who studies the conditions, and the more crowded our hospital becomes the more forcibly does the evil present itself. I have not any specific recommendation to make, in this report, upon this subject; but I

believe it is one which calls for general discussion and exchange of views as to how the tuberculous insane can be provided for so as to give them proper care, and at the same time protect the non-tubercular patients from danger of contagion. We have made a small beginning this season on the out-door plan of treatment, by placing three tubercular patients out of doors in a tent, and we anticipate carrying this method further another year.

On account of the death of the special pathologist, the pathological and laboratory work has been restricted during the latter part of the year. However, forty-three autopsies have been made, together with systematic microscopical examinations of the brain and other organs. It is to be regretted that the right to perform a post-mortem examination is denied so often by the friends of deceased patients. Upon the scantiness of such material the superintendent comments as follows: —

The amount of clinical material of this hospital, in the field of both mental and bodily diseases, is great; and it goes without saying that there are no means by which clinical facts can be illuminated as by post-mortem examinations. Yet this hospital, as well as other insane hospitals of the State, supported at the public expense, maintaining thoroughly equipped laboratories and employing salaried pathologists for the very purpose of lending progress to medical knowledge, have only a limited opportunity of examining the bodies of the dead. I believe there should be a law sufficiently broad in its application to allow the physicians of our public institutions to examine, where it seems desirable to do so, the bodies of all persons dying in such institutions who have been supported at the public expense.

The medical staff have published during the year papers entitled "The new formation of nerve cells in a cerebral tumor, — neuroglioma," and "Cerebral hemiatrophy in an adult, with hemiplegia and aphasia."

On the morning of July 18 a fire broke out in the drying room of the old laundry. Inasmuch as this was located in the centre building, beneath the large congregate dining room, serious damage was threatened for a time, but by prompt action the fire was extinguished within an hour,

with a loss not exceeding \$500. The fact that this is the second fire originating in the drying room at this institution within two years emphasizes the necessity of fire-proof construction of such provision, and the advisability of erecting separate, detached buildings for laundry purposes. Fortunately, the new laundry building was nearly ready for occupancy, so that no serious inconvenience resulted.

Work has been begun and is progressing satisfactorily upon the new surgical operating building, the farmhouse for working patients and the repair of greenhouses. Two Kirker Bender fire-escapes have been placed upon the rear of the centre building. A large force of men has been busy in pointing the outside brick work of the main building, renewing woodwork, sashes and sun rooms, and painting the whole exterior, but will not be able to complete the work this year. Other extensive repairs and alterations have been necessary, and have been made during the year out of the current income of the hospital.

#### *Westborough Hospital.*

In the early part of the year typhoid fever developed. Seven employees and seven patients were affected, but all recovered. Its cause was not manifest, but the State Board of Health is of the opinion that the water of Lake Chauney was the probable source of infection. A new supply of drinking water will be provided from driven wells, but is not expected to be permanently satisfactory. Meantime, only water which has been boiled is used.

In describing the treatment of patients the superintendent says : —

The object for which the hospital is maintained, the curative treatment of the insane, has been faithfully carried out in the year just now ending. All cases admitted are given medical treatment for their mental condition, which is continued so long as there is any hope of recovery or improvement. Prolonged rest in bed has aided in many of both the excited and depressed cases, and gratification must be expressed with the benefit of thyroid feeding, which each year affords assistance in restoring some who appear to be drifting into chronic dementia. For the

chronic insane I know that employment makes them both happier and better in every way. The examinations and investigations of the pathologist become more valuable each year, and enable the assistant physicians to make more promptly a correct diagnosis in many cases.

The pathologist has been busily employed during the year, as is evidenced by his statement of the work accomplished, namely : —

As in the three years previous, the work has been of a clinical nature, its volume larger, and its value to the medical service, I believe, proportionally greater. While the facilities for doing the work have been improved during the year by the addition of much-needed apparatus, the rather cramped quarters of the laboratory seriously inconvenience the performance of the best work, and are altogether inadequate for the proper storing of material which accumulates from year to year.

There has been one publication during the year based upon work done in the laboratory, namely, "Four cases of pernicious anaemia in insane subjects, with a consideration of the coexisting nervous features of the disease."

In the early part of the year bacteriological examinations of the drinking water were made, to determine if it contained the typhoid bacillus. The investigation was begun to seek the source of infection in seven cases of typhoid fever, which developed in the latter part of the year previous and were continued over into the present year. The result was negative. This negative result was confirmed by simultaneous investigation of water from the same source, conducted in the laboratory of the Massachusetts State Board of Health. Four male attendants and three female employees contracted the disease, and seven female patients, one of whom was probably infected at the time of admission. Two cases also developed in the family of one of the employees,— one of these last was contracted at the dam of the Clinton water works. All of the cases gave the diazo reaction in the first week. All responded to the Widal test not later than the sixth day, save one, and in this case (a girl of nine years) the reaction was absent throughout the disease, repeated examinations having been made. In four cases examined, including the one in which the Widal test was negative, the typhoid bacillus was recovered from the feces. Attempts to cultivate the typhoid bacillus from the urine were un-

successful in all of the cases, although albumen and casts in quantity were present in eight of the cases.

Exclusive of the work mentioned above, there have been 815 separate clinical examinations, including urinalyses, blood examinations, sputum, stomach contents, feces, tissues for diagnosis, tissues from operations, bacteriological cultures from erysipelatous eruptions, abscesses, sore throats, infected wounds and from operated cases.

There have been 461 urinalyses during the year. Of this number, 29 showed albumen alone, 56 albumen and casts and 111 casts alone. Sugar was demonstrated 6 times. Three of these were true diabetics, and in the other 3 the sugar was small in quantity and of a very transitory nature, being only observed on admission of the cases, which were at the time very much excited. Later observations failed to demonstrate its presence, even with the phenylhydrazin test. Two hundred and nineteen of the 461 urinalyses showed an increase of indican. So large a percentage of cases showing this increase cannot, it seems to me, be ignored in considering the autotoxic nature of these cases, or, at least, an importance must be attached to this concomitant symptom in questions bearing on etiology and treatment of them.

The blood examinations made during the year (168) makes 700 the total number of individuals examined in four years. These do not include examinations like the Widal test or simple staining for the malarial organisms, but only those examinations in which the haemoglobin was estimated, counts of erythrocytes and leucocytes and differential counts of leucocytes were made. The examinations continue to prove their value, not only in the way of accumulating data, but also in influencing successfully the treatment of many cases which it is the object of this hospital to treat.

In addition to the above, there have been 16 autopsies during the year, — 7 males and 9 females. Complete autopsies were made wherever permission was granted.

The dining room of ward 7 has been enlarged and greatly improved.

Two new boilers, each of 125 horse-power, have been installed.

The Warren farm, of 127 acres, adjoining land already owned by the hospital, has been purchased. The farmhouse thereon has been renovated and enlarged, so that it provides

for 35 patients. In addition, two brick cottages are being constructed. The group of three buildings will accommodate 100 patients.

#### *Boston Insane Hospital.*

The training school for nurses, established in 1899, has graduated its first class, of eight members. The majority of the nurses in the hospital are now members of the school, and all new nurses are expected to become such.

Many repairs and improvements about the buildings have been made, especially in connection with the plumbing and the heating and electric lighting plants.

Twenty-four acres of land, lying between the men's and women's departments, have been purchased, so that the two groups are now connected by land owned by the hospital.

Plans and specifications for two new wards are being prepared.

#### *Worcester Asylum.*

The general health of the patients has been excellent. One of the women nurses contracted typhoid fever from some source outside the institution; no other cases developed.

The school for nurses is proving a useful auxiliary to the medical service. One of the nurses pursued a supplementary course at the Memorial Hospital.

The ventilation of the wards has been improved by the use of electric fans wherever the inflow of fresh air was insufficient or the outflowing current sluggish.

The electric lighting system has been extended, and much inside painting and miscellaneous repairs of considerable extent have been done.

A congregate dining room, sufficient to accommodate all the women nurses and patients, has been provided in the basement, which is practically above ground on two sides. This will allow the space on the wards formerly occupied by the dining rooms to be converted into dormitories for some 40 patients.

This institution is located in the midst of the city of Worcester. It has no farm for the occupation of its men patients, and the acreage of the State's property is so small

that no considerable expansion is possible unless additional territory is acquired. Relative to such expansion, the trustees say in their report:—

If the State Board of Insanity, in performing its duty of providing for the increase in numbers of the insane, should desire to formulate a plan for caring for a greater number of patients in connection with this institution, the trustees would be glad to be heard upon that question.

The Board has conferred with the trustees, and both are agreed that it is desirable to acquire additional land within an accessible distance, and to gradually extend provision for the class of patients which it has been customary to transfer from the hospitals to this asylum; and to apply, in such expansion, the principles, so far as practicable, of a farm colony.

#### *Medfield Asylum.*

The daily average number of patients has been 1,234.04, although the buildings were intended to accommodate only 1,000 patients. Owing to the greater overcrowding in the State hospitals, it is probable that this number will gradually increase for the present.

However, the general health of the patients has been good, and the death rate lower than in the other institutions, except the Asylum for Insane Criminals.

The farmhouse has been completed, and will be occupied immediately. It accommodates 30 men patients in two dormitories, in one-story wings to a two-story centre building, which provides for 14 farm employees and the farm superintendent and his family. In the basement are located the kitchen and dining room, and a smoking room, rain bath, clothes room and toilet facilities for patients. It is heated with low-pressure steam and lighted by electricity. Its location near the barns will bring the patients nearer their work, and will save considerable time and inconvenience.

The superintendent reports that the following improvements about the buildings and grounds have been completed:—

Basements of four ward buildings have been concreted. Considerable grading has been done between the buildings on the east side, and a road has been built back of them about one-half mile in extent on the north and east sides. Eighty-five iron screens have been placed upon the basement windows of F-2. One hundred and twenty-five apple trees, twelve elms and eight maples, eight hundred raspberry and blackberry canes and twenty-five shrubs have been set out. During the winter the hot-air ducts in the basements of the buildings connecting the rooms with the hot-air chamber have been covered with Cabot sheathing quilt. This covering is cheap material, but it has been found quite effective in preventing radiation of heat from these ducts, consequently saving considerable heat. A tunnel of masonry six feet wide and seven feet high has been built between the power house and the kitchen; all the steam mains and hot-water pipes go through this, and then branch under the kitchen to supply the various buildings of the institution. Heretofore when a leak has occurred it has required taking up the street; this improvement makes this no longer necessary. The boilers have been reset and new valves used. At the same time two new windows were broken through the wall of the power house, to give more light at the rear of the boilers. The iron water tower has been scraped inside, and two coats of paint given it outside and in; new stay bolts have also been put in, and this is now in thorough repair. At the pumping station the boiler has been retubed, and a Penberthy injector put in to see if the water from the big spring upon the hill would cause less pitting of the tubes than the present water supply. An electric watch clock has been installed. Twelve hundred feet in length of new cement walk six feet wide, laid upon a foundation of small stones four feet thick, has been completed on the east side; considerable grading has been done in connection with this. Work on the sewer bed has been continued during the summer; it has been subject to many interruptions, and, while little progress has been made, yet it has been of great benefit to the patients. Many of the patients employed upon this have been of the disturbed class, and the improvement mentally and physically is very noticeable.

#### *Asylum Wards, State Hospital.*

Many paupers suffering from mental derangement are admitted each year. When the existence of insanity has been determined by examination by one of the medical officers of the institution and by a medical officer of the

State Board, such patient is transferred from the house to the insane department, and classified as insane. Such transfers this year number 91,—56 men, 35 women. Inasmuch as provision and equipment for obstetrical work are superior here to such facilities in State insane hospitals, the practice has grown up of transferring thither pregnant women patients from the latter institutions. In these ways a considerable number of insane patients of the acute class are brought here for treatment.

It therefore becomes important to have suitable buildings, properly equipped, for such work. This need is being met for men patients by the new hospital building now in process of construction. An appropriation for the erection of such a building for women patients is asked of the Legislature this year.

During the epidemic of typhoid fever, eleven insane patients were affected, resulting in one death. The epidemic was caused by contamination of drinking water by sewage from the institution, which is used for irrigation of the sandy soil in the neighboring fields. Regarding the inadequacy of such disposal under present conditions the superintendent says:—

Our sewerage system, which was practical when it was established, ten or more years ago, has become inadequate, owing to the increased number of buildings and sanitary sections. The overflow from the sewage basins is greater than can be absorbed by the system of irrigation of the surrounding land, especially during very wet seasons, when the land is full of water; and also in winter, when the ground is frozen, it overflows the usual bounds and contaminates the brook. The State Board of Health has advised us to establish a new system for sewage disposal, and I believe that this should be attended to as soon as possible.

#### *Asylum for Insane Criminals, State Farm.*

The general health of the patients has been good. There has been no illness from contagious disease other than tuberculosis. The death rate is 4.2 per cent. of the total number of persons treated,—the lowest in any of the hospitals or asylums.

In reviewing the different classes of patients received, the superintendent says :—

We received 17 cases from the State Prison as against 10 cases the previous year; and only 4 cases from the State Reformatory, as against 16 cases the year before. Exactly the same number of cases (19) were received from the several houses of correction as the previous year, and 12 more cases from the prison department of the State Farm. As might be expected, our most hopeful cases have in the past come from the reformatory. As a rule, these cases have been younger, and more acute as to duration of insanity. Our least hopeful cases, as a rule, have been those committed from the prison department of the State Farm. For this there are several reasons. Most of these are chronic, demented cases, many of whom were tramping aimlessly about the State until arrested for vagrancy. Some are younger men, with a previous history written in the case books of other hospitals for the insane. Occasionally a beginning case of paresis or a respectable old man, who has wandered away from home through mental weakness, receives a sentence. If too restless, noisy or dangerous to be cared for in the general hospital department, they find their way, by due process of law, to the asylum. . . .

It is a significant fact that every one of the 36 cases committed from the prison department of the State Farm had been sentenced as a tramp, or for vagrancy, and that every one of these men was demented, or suffering from chronic insanity, at the time of his sentence. When we consider the additional fact that 358 men were sentenced to the State Farm during the year as tramps, or for vagrancy,—10 per cent. of whom were insane,—while there were more than 1,100 men received during the same year for drunkenness, and remember that not one of the 1,100 drunk cases became insane enough to be committed to the asylum department, we get an idea of how unpromising these cases are as to recovery, and how unlikely to become helpful workers. It is certainly a menace to society for these defective ones to be roaming aimlessly about the State. Some have dangerous forms of delusions, and their aversion to work of all kinds is in marked contrast to the patient who has been a useful citizen. The latter, as a rule, asks to work, and is most unhappy under enforced idleness. Somewhat more than 50 per cent. of our patients work each day, and we expect more will be able and willing to work on the farm in season when the land is ready which is now being enclosed for the out-door employment of our asylum patients.

A new dining room has been constructed by tearing out partitions and renovating the ground floor of the west wing. Its dimensions are 50 by 40 feet, and its seating capacity 130. There are now three congregate dining rooms, which allow a very satisfactory classification of patients.

Between this and the main dining room a one-story addition has been erected, providing a much-needed new kitchen, 44 by 42 feet. Heretofore nearly all the cooking for the insane department has been done in the main kitchen, which served the whole institution. The kitchen is well equipped, and will be of great advantage in meeting the special needs of the insane, which are different from those of the prison department.

*Hospital for Epileptics.*

The general statistics for the year are as follows:—

		Insane.	Sane.	Total.
Patients in house Oct. 1, 1900, . . . . .	142	101	243	
Admitted within the year, . . . . .	29	65	94	
Whole number of cases within the year, . . . . .	171	166	337	
Discharged within the year, . . . . .	10	40	50	
as much improved, . . . . .	-	3	3	
as improved, . . . . .	5	19	24	
as not improved, . . . . .	3	8	11	
on visit, . . . . .	2	10	12	
Died, . . . . .	11	6	17	
Patients remaining Sept. 30, 1901, . . . . .	150	120	270	
Viz.: supported as State patients, . . . . .	40	30	70	
as town patients, . . . . .	107	76	183	
as private patients, . . . . .	3	14	17	
Daily average number of patients, . . . . .	150.72	110.68	261.40	

Experience here shows that the epileptic needs comparatively little medicine. Static electricity is used to advantage. The trustees lay special emphasis upon the importance of systematic occupation or work in the general care and treatment of the epileptic. The latter receives not only the actual physical benefit of the work, but a resulting mental training and discipline which contribute to greater powers of self-control.

The great majority of epileptics have never been accus-

tomed to work; on the contrary, they have been taught that they are invalids, and will be harmed by work. It is therefore an up-hill task to persuade them to take up any occupation, and especially to pursue it with regularity. Much effort has been made to keep the patients busy, although the amount of useful work done is oftentimes very small.

An average of 18 of the younger patients have attended school. The studies are arithmetic, geography, writing and spelling, history, reading, drawing on blackboards, etc. The facts learned are soon forgotten, and great patience in repetition is required of the teacher, but on the whole the schools seem to be of advantage.

The training school for nurses has now been established two years, and has graduated its first class of five nurses.

Four new buildings for patients and the dining room building, described in our last report, are nearing completion, and will be occupied about the first of January. The Northrup farm, of 120 acres, which adjoins the State's property on the west, has been acquired. The old farmhouse now accommodates about 20 working patients. The foundation for the new laundry building has been laid, and work is beginning upon the superstructure.

#### *Hospital for Dipsomaniacs and Inebriates.*

The general statistics for the year are as follows:—

Persons in hospital Oct. 1, 1900,	. . . . .	258
Admissions within the year,	. . . . .	462
By commitment,	. . . . .	391
By return from leave of absence of previous years,	. . . . .	40
By return from elopement of previous years,	. . . . .	31
Whole number of cases within the year,	. . . . .	720
Final discharges within the year,	. . . . .	148
By death while in the house,	. . . . .	9
As insane,	. . . . .	12
By time limit while on leave of absence,	. . . . .	6
By time limit while in the house,	. . . . .	26
As not to be benefited by further treatment,	. . . . .	93
To State Board of Insanity (non-residents),	. . . . .	2
Patients absent, not finally discharged,	. . . . .	360
On leave of absence,	. . . . .	223
On elopement,	. . . . .	128
On visit,	. . . . .	9

Patients remaining in hospital Sept. 30, 1901, . . . . .	212
Supported as State patients, . . . . .	111
Supported as town patients, . . . . .	95
Supported as private patients, . . . . .	6
Number of different persons within the year, . . . . .	720
Persons committed, . . . . .	391
Daily average number of patients, . . . . .	243.36+

Of the 324 patients discharged during the year ending May 6, 1901, 117, or 36.11 per cent., were wholly abstinent when their habits were investigated between July 6 and Oct. 1, 1901; 36, or 11.11 per cent., were improved or drinking less than before admission; and 129, or 39.81 per cent., were drinking as before; 36, or 11.11 per cent., could not be found; and 6, or 1.85 per cent., had died.

For several years there has been steady improvement in the class of patients committed to the hospital, and this will undoubtedly continue, as the purposes for which it was established become better understood.

We note that the trustees have discharged during the year a larger number of patients who were not to be benefited by further treatment; namely, 93 this year, against 41 last year. Such a course is to be commended, and should be vigorously pursued until the institution is established on a curative basis, so far as practicable.

The amount of useful work performed by patients is progressively increasing. During the past year as many patients as possible have been assigned work on the farm and about the grounds, in order that they might be out of doors as much as possible. The broom shop was closed during the summer. The non-parole patients were sent out to work upon the farm, in charge of an attendant. The patients are expected to work five hours each day. It is earnestly to be desired and hoped that each patient, according to his strength and physical condition as determined by a physician, will eventually have his day occupied fully and for the usual number of hours which constitute a day's labor.

This year, as in the two years preceding, there has been noticeable improvement in the general administration of the hospital. The housekeeping is now excellent, and the buildings are clean, orderly and in good repair.

The weekly per capita cost was \$4.53 this year, against \$4.67 last year. So high a rate of maintenance is due in part to the small size of the institution. It may be reduced by increasing the amount of useful labor performed by patients and by effecting certain economies of administration which are permissible without lowering the standard of efficiency.

*School for the Feeble-minded.*

The general statistics for the year are as follows:—

	Males.	Females.	Totals.
Number present Sept. 30, 1900,	412	268	680
Admitted during year,	52	32	84
Whole number present,	464	300	764
Discharged during year,	32	14	46
Died during year,	10	6	16
Number present Sept. 30, 1901,	422	280	702
Average number present,	413	271	684
School cases admitted,	21	17	38
Custodial cases admitted,	31	15	46
Private pupils now present,	24	15	39
Massachusetts school beneficiaries,	148	79	227
Cases supported by income of invested funds,	10	6	16
Custodial cases supported by State,	63	44	107
Custodial cases supported by cities and towns,	152	126	278
Beneficiaries of other New England States,	25	10	35
Applications for admission during year,	—	—	256

During the past ten years 2,219 applications for admission have been made, of which only 914 have been granted. Eighty per cent. of the applicants lived in the metropolitan district.

In order to meet the very urgent demand for additional provision, the trustees propose to gradually enlarge the institution at Waltham to accommodate 1,000 inmates, or about 400 more than the present capacity. They estimate that this can be done at an average per capita cost of about \$600.

Such extension would provide for school children and the custodial and infirmary classes, while the Templeton colony would be gradually developed to take care of the adult,

able-bodied class. As before stated, the Board heartily approves of such extension.

In describing the progress of the year at the Templeton colony, the superintendent says: —

We have had a very satisfactory year at our farm colony at Templeton. The first group of 50 boys and the employees who live with them and care for them moved from their temporary camp into the renovated farm house and the adjoining new dormitories at the beginning of the new year. These buildings as arranged provide most comfortable and homelike accommodations, and have proved entirely satisfactory in winter and in summer. The boys were kept busy during the winter cutting and teaming firewood, storing ice and hauling lumber, stone, sand, etc., for future building operations. Since spring opened they have been very busy grading, excavating basements, water trenches, sewers, etc. The construction work done by these boys, if done by hired workmen, would have cost us a sum equal to the entire cost of their maintenance for the year. The boys have enjoyed the most robust health, and have been thoroughly happy and contented; indeed, there has been a noticeable improvement in the mental condition of our "colonists;" nearly every boy has become appreciably more intelligent, capable and self-reliant.

The third group of buildings, located near the centre of the estate, to consist, like the other two, of one of the original farm houses with near-by new dormitories, toilet rooms, etc., to accommodate 50 inmates, is now under construction, and will be roofed in before winter and ready for occupancy early in the coming summer. The lumber, brick, etc., for these buildings have been paid for and delivered on the ground. The new steam laundry for the colony is in successful operation.

The buildings now completed and the other improvements have been constructed at an expense well within our approximate estimates. The appropriation of 1898 for building, etc., for the colony was \$50,000; we have expended to date \$26,707.09, leaving a balance of \$23,292.91. This sum will be sufficient to complete the sewerage plants for the three groups of buildings, to put in a permanent water supply, to build a house for the superintendent, — in fact, to do all the work contemplated in the original plan and estimate. We cannot economically complete all of this work during the present year. The unexpended balance of the appropriation will lapse unless reappropriated by the Legislature.

*Hospital Cottages for Children.*

The general statistics for the year are as follows:—

Patients in house Oct. 1, 1900,	.	.	.	.	.	.	.	130
Admitted within the year,	.	.	.	.	.	.	.	68
Whole number of cases within the year,	.	.	.	.	.	.	.	198
Discharged within the year,	.	.	.	.	.	.	.	63
as recovered,	.	.	.	.	.	.	.	5
as much improved,	.	.	.	.	.	.	.	20
as improved,	.	.	.	.	.	.	.	17
as not improved,	.	.	.	.	.	.	.	13
Died,	.	.	.	.	.	.	.	8
Patients remaining Sept. 30, 1901,.	.	.	.	.	.	.	.	135
Viz.: supported as State patients,	.	.	.	.	.	.	.	30
as town patients,	.	.	.	.	.	.	.	40
as private patients,	.	.	.	.	.	.	.	65
Daily average number of patients,	.	.	.	.	.	.	.	130
The largest number on any one day,	.	.	.	.	.	.	.	136
The smallest number on any one day,	.	.	.	.	.	.	.	122
Number of in-cases from opening of hospital,	.	.	.	.	.	.	.	860

This is a private institution, which has received from time to time aid from the State, chiefly for the erection of buildings. In consideration of this, it cares for a considerable number of public charges; namely, at the end of the year, 30 patients supported by the State and 40 patients supported by cities and towns, at the established rate of \$3.25 per week, although the average per capita cost of maintenance for all inmates was \$4.02.

It receives children suffering from nervous disorders (not feeble-minded), with deformities, disease of the hip, knee and other joints, spinal disease, infantile paralysis, and other affections where the disorder is likely to require long residence in a hospital; also cases where operation or fitting of supports is necessary. In the latter cases the children are returned to their homes as soon as the appliances are well fitted, usually in a few days, and are brought to the hospital at short intervals for observation.

About 75 per cent. of its patients are epileptics. The present practice is to send epileptic children under fourteen years of age to this hospital. However, it sometimes happens that such children cannot be received or cared for here,

and the State authorities are somewhat embarrassed to dispose of them, inasmuch as no epileptic under fourteen years of age can be received at the Hospital for Epileptics.

The new building, authorized by chapter 86, Resolves of 1900, is in process of construction, and nearly completed on the exterior. Improvements in the boiler house and dynamo room have been made, and the heating system renovated. The alterations and improvements in the administration building are necessarily delayed until the new building can be occupied.

One hundred acres of land have been purchased this year, from private funds, which bring the acreage of the farm up to about 300.

#### GENERAL STATISTICS.

The general statistics for the year and other data relative to admissions and discharges of the insane are shown in the following tabulations : —

*General Statistics for Public Hospitals.*

A. — Insane : —		Worcester.	Taunton.	Northampton.	Danvers.	Westborough.	Boston.	Aggregate.
Patients in house Oct. 1, 1900,	• • • • •	1,082	863	590	1,052	650	503	4,740
Admitted within the year, •	• • • • •	579	440	207	424	305	309	2,274
Whole number of cases within the year, •	• • • • •	1,661	1,303	797	1,486	955	812	7,014
Discharged within the year, •	• • • • •	436	268	129	248	215	211	1,507
as recovered, •	• • • • •	83	77	39	47	69	48	363
as much improved, •	• • • • •	92	46	26	62	58	18	302
as improved, •	• • • • •	82	50	28	59	39	39	297
as not improved, •	• • • • •	177	95	35	80	49	106	542
as not insane, •	• • • • •	2	—	1	—	—	—	3
Died, •	• • • • •	134	114	50	102	70	85	555
Patients remaining Sept. 30, 1901, •	• • • • •	1,091	921	618	1,136	670	516	4,952
Viz.: supported as State patients,*	• • • • •	338	255	107	281	208	3	1,192
as town patients,*	• • • • •	586	591	427	744	366	433	3,147
as private patients,*	• • • • •	167	75	84	111	96	80	613
Daily average number of patients,†	• • • • •	1,087.92	885.10	601.97	1,067.53	680.31	500.52	4,811.35
B.—Voluntary patients remaining Sept. 30, 1901, •	• • • • •	—	—	—	—	16	3	19
C.—Dipsomaniacs and inebriates remaining Sept. 30, 1901, •	• • • • •	7	6	—	1	6	—	20

\* As reported by the hospitals.

† Includes inebriates and voluntary patients.

*Admissions of the Insane to Public Hospitals.*

	WORCESTER.		TAUNTON.		NORTHAMPTON.		DANVERS.	
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.
Admissions of insane persons, . . . . .	570	1,135	436	817	203	445	430	877
First admissions to any insane hospital, . . . . .	441	878	324	613	144	327	321	673
Readmissions to any insane hospital, . . . . .	129	257	112	204	59	118	109	204
Percentage of first admissions to any insane hospital, . . . . .	77.36+	77.35+	74.31	75.03	70.93+	73.48	74.65	76.73+
of readmissions to any insane hospital, . . . . .	22.63	22.64	25.68+	24.96+	29.06	26.51+	25.35—	23.26
Born in United States: Patients, . . . . .	282	546	208	395	126	279	243	519
Percentage to all admissions where birthplace was known. Fathers, . . . . .	50.71+	50.04+	47.65	49.12+	61.57+	62.70—	56.51	59.17+
Percentage to all admissions where birthplace was known. Mothers, . . . . .	138	264	61	134	86	191	150	287
Percentage to all admissions where birthplace was known. Number of persons aged 70 years or over,* . . . . .	29.36	28.08+	31.44	32.76	42.28+	43.31	36.49+	37.97+
Percentage to all admissions where birthplace was known. Percentage to all admissions, . . . . .	29.46	28.12+	35.29	33.74	41.29	42.63	37.40+	37.95—
Heredity, . . . . .	41	76	29	59	10	40	38	76
Cause of insanity: Congenital, . . . . .	7.08	6.61	6.59	7.16+	4.85	8.90+	8.75+	8.46+
Percentage to all admissions, . . . . .	22	40	44	76	25	46	9	43
Heredity or hereditary predisposition, . . . . .	3.80—	3.48	10.00	9.23	12.13+	10.24+	2.07	4.85
Percentage to all admissions, . . . . .	66	119	26	68	8	31	67	134
Percentage to all admissions, . . . . .	11.40—	10.35+	5.90+	7.04+	3.88	6.90	15.48+	15.12
Percentage to all admissions, . . . . .	172	315	28	106	40	116	69	141
Percentage to all admissions, . . . . .	29.70+	27.41+	6.36	12.88—	19.41	25.61	15.90—	15.91

Epilepsy, . . . . .	8	21	9	24	-	2	-	-	-
Percentage to all admissions, . . . . .	1.38	1.82+	2.04+	2.91+	-	.44+	-	-	-
Senility, . . . . .	33	77	48	86	23	63	48	97	97
Percentage to all admissions, . . . . .	5.70—	6.70	10.90+	10.44+	11.16+	14.03	11.08—	10.94+	10.94+
Intemperance, . . . . .	117	243	57	110	38	84	51	117	117
Percentage to all admissions, . . . . .	20.20+	21.14+	12.96	13.36+	18.44+	18.70+	11.75	13.20+	13.20+
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Forms of disease :—									
A.—Congenital mental deficiency, . . . . .	46	96	46	78	22	41	29	69	69
Senile insanity, . . . . .	61	113	47	87	22	62	48	99	99
Epileptic insanity, . . . . .	17	33	8	26	11	23	11	24	24
General paralysis, . . . . .	47	88	47	73	6	20	68	120	120
Gross organic brain disease, . . . . .	-	10	8	19	1	10	15	33	33
Total, . . . . .	171	340	156	233	62	166	171	345	345
Percentage of A. to all admissions, . . . . .	29.63	29.59	35.45	34.38+	30.09+	34.74	39.40	38.93+	38.93+
B.—Alcoholic insanity, . . . . .	75	141	56	110	7	21	55	121	121
Percentage of B. to all admissions, . . . . .	12.95	12.27	12.72+	13.36+	3.40—	4.67+	12.67	13.65+	13.65+
C.—All other forms, . . . . .	333	668	228	430	137	272	208	420	420
Percentage of C. to all admissions, . . . . .	57.51	58.13+	51.81+	52.24+	66.50	60.58	47.92+	47.40	47.40

\* First admitted to any hospital.

*Admissions of the Insane to Public Hospitals—Concluded.*

	WESTBOROUGH.		BOSTON.*		AGGREGATE.
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	
Admissions of insane persons,	.	.	296	581	2,210 4,437
First admissions to any insane hospital,	.	.	216	429	1,684 3,425
Readmissions to any insane hospital,	.	.	80	152	526 1,012
Percentage of first admissions to any insane hospital,	.	.	72.97	73.83+	76.20— 77.19
of readmissions to any insane hospital,	.	.	27.02+	26.16	23.80 22.80+
Born in United States: Patients,	.	.	209	421	1,222 2,504
Percentage to all admissions where birthplace was known.	.	.	61.29	61.91	49.53+ 54.76+
Fathers,	.	.	128	272	63 1,286
Percentage to all admissions where birthplace was known.	.	.	42.52	44.88	21.16+ 33.35
Mothers,	.	.	145	290	62 646
Percentage to all admissions where birthplace was known.	.	.	46.92+	46.74	20.87+ 34.58
Number of persons aged 70 years or over,†.	.	.	23	48	77 184
Percentage to all admissions,	.	.	7.54	8.00	13.62 8.32+
Causes of insanity: Congenital,	.	.	7	24	10 24
Percentage to all admissions,	.	.	2.29+	4.00	3.14 3.59+
Heredity,	.	.	19	38	12 16
Percentage to all admissions,	.	.	6.23—	6.33	3.77 2.40—
Heredity or hereditary predisposition,	.	.	19	38	45 87
Percentage to all admissions,	.	.	6.23—	6.33	14.15 13.04
					16 34+ 17.53

Epilepsy,	•	•	•	•	•	•	•	•	•	•	•	3	11	6	11	26	68	1,50+
Percentage to all admissions,	•	•	•	•	•	•	•	•	•	•	•	.98	1.83	1.88+	1.64+	1.13+	488	
Senility,	•	•	•	•	•	•	•	•	•	•	•	19	54	55	111	226	10,66+	
Percentage to all admissions,	•	•	•	•	•	•	•	•	•	•	•	6.23—	9.00	17.29+	16.64	9.90	681	
Intemperance,	•	•	•	•	•	•	•	•	•	•	•	24	52	33	75	320	14,88+	
Percentage to all admissions,	•	•	•	•	•	•	•	•	•	•	•	7.87—	8.66+	10.37+	11.24	14.02		
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Forms of disease:—																		
A.—Congenital mental deficiency,	•	•	•	•	•	•	•	•	•	•	•	11	24	12	27	166	335	
Senile insanity,	•	•	•	•	•	•	•	•	•	•	•	42	90	59	118	279	569	
Epileptic insanity,	•	•	•	•	•	•	•	•	•	•	•	10	18	6	14	63	138	
General paralysis,	•	•	•	•	•	•	•	•	•	•	•	18	47	32	73	218	421	
Gross organic brain disease,	•	•	•	•	•	•	•	•	•	•	•	8	16	10	21	42	109	
Total,	•	•	•	•	•	•	•	•	•	•	•	89	195	119	253	768	1,572	
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Percentage of A. to all admissions,	•	•	•	•	•	•	•	•	•	•	•	29.18	32.50	38.63+	37.93	33.65	34.36+	
B.—Alcoholic insanity,	•	•	•	•	•	•	•	•	•	•	•	17	36	18	44	228	473	
Percentage of B. to all admissions,	•	•	•	•	•	•	•	•	•	•	•	5.57	6.00	5.66	6.59+	9.99	10.34	
C.—All other forms,	•	•	•	•	•	•	•	•	•	•	•	199	369	181	370	1,286	2,529	
Percentage of C. to all admissions,	•	•	•	•	•	•	•	•	•	•	•	65.24+	61.50	56.91+	55.47	56.35	55.29	

\* Commencing with the item "Born in United States," the figures are taken from their last printed report for year ending Jan. 31, 1901.

† First admitted to any hospital.

*Discharges of the Insane from Public Hospitals.*

	WORCESTER.			TAUNTON.			NORTHAMPTON.			DANVERS.		
	1900-1901.	1899-1901.	1900-1901.	1900-1901.	1899-1901.	1900-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.
<b>1. Destination:—</b>												
Transferred to other institutions,	.	.	.	118	175	62	135	7	7	—	10	11
Removed by overseers of poor,	.	.	.	29	59	7	10	7	21	16	16	26
Boarded in private families,	.	.	.	—	1	2	9	4	5	2	2	5
Removed from the State,*	.	.	.	43	85	29	48	12	16	20	20	42
All other discharges excluding recoveries and deaths,	.	.	.	163	292	91	171	67	147	153	153	297
2. Recoveries,	.	.	.	83	171	77	182	39	97	47	47	98
Percentage to all admissions,	.	.	.	14.33+	14.88	17.50	22.11	18.93	21.60	10.82+	10.82+	11.06
Percentage to admissions exclusive of congenital mental deficiency, senile insanity, epileptic insanity, general paralysis and organic brain disease.	.	.	.	20.34	21.13+	27.11	33.70	27.08	33.10+	17.87	17.87	18.11
Percentage to all discharges,	.	.	.	14.56	16.71+	20.15+	24.10+	21.78+	23.00—	13.39	13.39	13.42
Percentage to all discharges excluding deaths,	.	.	.	19.03+	21.88+	28.73	32.80—	30.23	33.91+	18.87+	18.87+	20.33
Recovered on first admission,	.	.	.	76	153	63	149	34	77	36	36	77
Discharged on first admission,	.	.	.	477	874	332	651	139	334	289	289	595
Died on first admission,	.	.	.	126	219	107	184	36	110	92	92	219
Percentage of all recovered on first admission to all first admissions,	.	.	.	15.44+	16.64	17.11+	21.68+	20.73	21.56+	9.87+	9.87+	10.17
Percentage of all recovered on first admission to all first discharges,	.	.	.	15.93	17.50+	19.00—	22.88+	24.46	23.05	12.45+	12.45+	12.94
Percentage of all recovered on first admission to all first discharges excluding deaths,	.	.	.	21.85	23.35+	28.00	31.90+	33.00+	34.37+	18.27	18.27	20.47+
Relapsed recoveries in this hospital readmitted,	.	.	.	37	69	33	60	20	36	16	16	39

Percentage to all admissions, . . . . .	6.39	6.00+	7.50	7.29	9.70+	8.01+	3.68+	4.40
Relapsed recoveries in this hospital recovered this year, . . . . .	14	28	10	26	4	14	5	13
Percentage to all recoveries, . . . . .	16.86+	16.37	13.00—	14.28+	10.25+	14.43	10.64	13.26+
3. Deaths, . . . . .	134	240	114	200	50	136	102	248
Percentage to whole number of insane persons under treatment, . . . . .	8.15+	7.58	8.85	8.00—	6.30+	8.40	6.88+	8.54+
Percentage to daily average number under treatment, . . . . .	12.31+	11.40	12.90+	11.46+	8.30+	11.54	9.64+	12.11+
Percentage to all discharges, . . . . .	23.50+	23.46	29.84	26.49	27.93	32.22+	29.06—	33.97
4. Number of persons who died aged 70 years or over, . . . . .	39	61	28	57	18	56	29	74
Percentage to whole number of deaths, . . . . .	29.10	25.41+	24.56	28.50	36.00	41.17+	28.43	29.84—
5. Number of persons who died having tuberculosis, . . . . .	13	26	18	24	5	12	10	27
Percentage to whole number of deaths, . . . . .	9.70	10.83	15.79—	12.00	10.00	8.82	9.80	10.88+
6. Number of persons who died having general paralysis, . . . . .	26	51	28	42	6	13	33	73
Percentage to whole number of deaths, . . . . .	19.40	21.25	24.56	21.00	12.00	9.56—	32.35	29.43+
Number of persons who died having organic brain disease, . . . . .	13	21	6	18	2	12	9	23
Percentage to whole number of deaths, . . . . .	9.70	8.75	5.26	9.00	4.00	8.82	8.82	9.27
Number of persons who died having senile insanity, . . . . .	55	86	33	55	15	40	21	69
Percentage to whole number of deaths, . . . . .	41.04+	35.83	28.95—	27.50	30.00	29.41	20.58+	27.82
Number of persons who died having epilepsy, . . . . .	3	4	1	4	1	3	7	14
Percentage to whole number of deaths, . . . . .	2.24—	1.66+	.87+	2.00	2.00	2.20+	6.86	5.84+
Percentage of all such persons to whole number of deaths, . . . . .	72.40—	67.50	59.65—	59.50	48.00	50.00	68.82+	72.17+

\* By State Board of Insanity and Immigration Commissioner.

*Discharges of the Insane from Public Hospitals—Concluded.*

	WESTBOROUGH.			BOSTON.*			AGGREGATE. 1899-1901.
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.	
<b>1. Destination:—</b>							
Transferred to other institutions, . . . . .	28	66	80	180	298	567	
Removed by overseers of poor, . . . . .	7	9	—	—	66	125	
Boarded in private families, . . . . .	7	22	1	3	16	45	
Removed from the State,† . . . . .	21	47	—	—	125	238	
All other discharges excluding recoveries and deaths, . . . . .	83	145	82	201	639	1,253	
2. Recoveries, . . . . .	69	141	34	88	349	777	
Percentage to all admissions, . . . . .	22.62	23.50	10.60	13.19	16.29	16.98+	
Percentage to admissions exclusive of congenital mental deficiency, senile insanity, epileptic insanity, general paralysis and organic brain disease.	31.94	34.81	17.08+	21.25+	23.05	25.88	
Percentage to all discharges, . . . . .	24.21	25.22	10.96+	11.95+	16.80	18.39	
Percentage to all discharges excluding deaths, . . . . .	32.09	32.79	14.53—	15.33	22.79+	24.98	
Recovered on first admission, . . . . .	40	81	33	84	282	621	
Discharged on first admission, . . . . .	188	370	283	643	1,708	3,467	
Died on first admission, . . . . .	56	107	70	145	487	984	
Percentage of all recovered on first admission to all first admissions, . . . . .	16.95—	17.76	11.50—	13.88	14.70—	16.17	
Percentage of all recovered on first admission to all first discharges, . . . . .	21.27+	21.90—	11.66	13.06	16.51	17.91	
Percentage of all recovered on first admission to all first discharges excluding deaths, . . . . .	30.30	30.79+	15.49	16.86+	23.09+	25.01	
Relapsed recoveries in this hospital readmitted, . . . . .	27	48	16	26	149	278	

Percentage to all admissions,	.	.	8.85	8.00	6.05	3.89+	6.52+	6.07+
Relapsed recoveries in this hospital recovered this year,	.	.	12	27	1	4	46	112
Percentage to all recoveries,	.	.	17.39	19.14	2.94	4.54+	13.18	14.41
3. Deaths,	.	.	70	129	76	162	546	1,115
Percentage to whole number of insane persons under treatment,	.	.	7.40—	6.94+	9.30	9.34+	7.88+	8.14+
Percentage to daily average number under treatment,	.	.	10.64+	9.97	16.42+	16.27+	11.42	11.90+
Percentage to all discharges,	.	.	24.56	23.07	24.51+	22.01	26.28+	26.39
4. Number of persons who died aged 70 years or over,	.	.	16	30	20	46	150	324
Percentage to whole number of deaths,	.	.	22.85+	23.25+	26.31+	28.39+	27.47	29.05+
5. Number of persons who died having tuberculosis,	.	.	6	9	3	9	55	107
Percentage to whole number of deaths,	.	.	8.57	6.97+	3.95—	5.55+	10.07	9.59+
6. Number of persons who died having general paralysis,	.	.	11	27	13	29	117	235
Percentage to whole number of deaths,	.	.	15.71	20.93	17.10+	17.90	21.42+	21.07+
Number of persons who died having organic brain disease,	.	.	6	11	6	12	42	97
Percentage to whole number of deaths,	.	.	8.57	8.52+	7.89	7.40+	7.60	8.70—
Number of persons who died having senile insanity,	.	.	22	45	23	56	169	351
Percentage to whole number of deaths,	.	.	31.42+	34.88	30.26	34.56+	30.95	31.48—
Number of persons who died having epilepsy,	.	.	1	1	3	6	16	32
Percentage to whole number of deaths,	.	.	1.42+	.77+	3.94+	3.70	2.93	2.87—
Percentage of all such persons to whole number of deaths,	.	.	57.14	65.11+	59.21	63.58	63.00	64.12+

\* Commencing with "Recoveries," the figures are taken from their last printed report for year ending Jan. 31, 1901.

† By State Board of Insanity and Immigration Commissioner.

*General Statistics for Public Asylums.*

	Worcester.	Medfield.	Tewksbury.	Bridgewater.	Hospital for Epileptics.*	Aggregate.*
Patients in house Oct. 1, 1900,	• • •	• • •	482	484	372	142
Admitted within the year,	• • •	• • •	35	154	80	29
Whole number of cases within the year,	• • •	• • •	517	1,379	638	452
Discharged within the year,	• • •	• • •	7	21	47	30
as recovered,	• • •	• • •	1	4	13	8
as much improved,	• • •	• • •	4	1	2	2
as improved,	• • •	• • •	-	2	14	3
as not improved,	• • •	• • •	2	14	18	14
as not insane,	• • •	• • •	-	-	-	3
Died,	• • •	• • •	33	72	69	19
Patients remaining Sept. 30, 1901,	• • •	• • •	477	1,286	522	403
Viz.: supported as State patients,	• • •	• • •	146	272	345	276
as town patients,	• • •	• • •	331	1,014	177	127
as private patients,	• • •	• • •	-	-	-	3
Daily average number of patients,	• • •	• • •	476.82	1,234.04	504.39	383.30
						150.72
						2,749.27

\* Includes only the insane.

*Admissions of the Insane to Public Asylums.\**

	TEWKSBURY.		BRIDGEWATER.		HOSPITAL FOR EPILEPTICS.		AGGREGATE.
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.	
Admissions of insane persons,	.	.	152	255	80	157	258
First admissions to any insane hospital,	.	.	73	168	56	118	462
Readmissions to any insane hospital,	.	.	79	87	24†	39†	309
Percentage of first admissions to any insane hospital,	.	48.02+	65.88	70.00	75.16—	37.93+	153
of readmissions to any insane hospital,	.	51.97	34.11+	30.00	24.84	62.07—	66.88
Born in United States: Patients,	.	.	61	107	48	99	33.11+
Percentage to all admissions where birthplace was known.	43.26	43.85	61.53+	63.87	78.57	78.84+	33.11+
Fathers,	.	.	31	57	18	37	22
Percentage to all admissions where birthplace was known.	25.00	25.90+	27.27	27.20+	54.17—	52.38	116
Mothers,	.	.	31	60	18	42	62
Percentage to all admissions where birthplace was known.	25.41—	25.41—	27.65—	27.27	30.88	66.66+	29.14+
Number of persons aged 70 years or over,	.	.	10	23	2	2	247
Percentage to all admissions,	.	.	6.49	8.85—	2.50	1.27	54.76+
Causes of insanity: Congenital,	.	.	14	25	—	16	—
Percentage to all admissions,	.	.	9.09	9.72+	—	10.19	—
Heredity,	.	.	10	15	13	18	—
Percentage to all admissions,	.	.	6.49	5.83+	16.25	11.46+	5.32
Heredity or hereditary predisposition,	.	.	10	15	24	47	8.74+
Percentage to all admissions,	.	.	6.49	5.83+	30.00	29.93+	7.03+
							62
							13.21+
							12.92+
							31.81+

\* The asylums at Worcester and Medfield receive only transfers from the hospitals.

† Includes 17 unknown.

*Admissions of the Insane to Public Asylums—Concluded.\**

	TEWKSBURY.		BRIDGEWATER.		HOSPITAL FOR EPILEPTICS.		AGGREGATE.	
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.
Causes of insanity: Epilepsy, . . . . .	3	7	—	7	29	55	32	69
Percentage to all admissions, . . . . .	1.94+	2.72	—	4.45+	• 100.00	100.00	12.16+	14.71
Senility, . . . . .	17	43	5	7	—	—	22	50
Percentage to all admissions, . . . . .	11.03+	16.73	6.25	4.45+	—	—	8.36+	10.66
Intemperance, . . . . .	11	12	29	45	—	—	40	57
Percentage to all admissions, . . . . .	7.14	4.66+	36.25	28.66	—	—	15.20+	12.15
Forms of disease:—								
A.—Congenital mental deficiency, . . . . .	14	25	8	19	—	—	22	44
Senile insanity, . . . . .	20	41	7	9	—	—	27	53
Epileptic insanity, . . . . .	4	8	2	8	29	55	35	71
General paralysis, . . . . .	8	11	2	7	—	—	10	18
Gross organic brain disease, . . . . .	5	9	—	—	—	—	5	9
Total, . . . . .	51	97	19	43	29	55	99	195
Percentage of A. to all admissions, . . . . .	33.11+	37.74	23.75	27.38+	100.00	100.00	37.64	41.57+
B.—Alcoholic insanity, . . . . .	—	—	20	27	—	—	20	27
Percentage of B. to all admissions, . . . . .	—	—	25.00	17.19+	—	—	7.60	5.75+
C.—All other forms, . . . . .	103	160	41	87	—	—	144	247
Percentage of C. to all admissions, . . . . .	66.88	62.26+	51.25	55.41	—	—	54.75	52.66+

\* The asylums at Worcester and Medfield receive only transfers from the hospitals.

*Discharges of the Insane from Public Asylums.*

	WORCESTER.		MEDFIELD.		TEWKSBURY.	
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.
1. Destination:—						
Transferred to other institutions,	.	.	1	2	4	9
Removed by overseers of poor,	.	.	—	—	1	3
Boarded in private families,	.	.	1	—	3	17
Removed from the State,*	.	.	—	—	15	30
All other discharges, excluding recoveries and deaths,	.	.	6	16	5	5
2. Recoveries,	.	.	1	3	6	30
3. Deaths, Percentage to whole number of insane persons under treatment, to daily average number under treatment, to all discharges,	33 6.38 82.50	63 6.09 84.00	72 5.22 77.42—	125 4.71+ 73.96	69 10.84+ 59.48	134 10.86+ 58.77
4. Number of persons who died aged 70 years or over, Percentage to whole number of deaths,	15.15	20.63	23.61	22.40	31.88	41 30.59+
5. Number of persons who died having tuberculosis, Percentage to whole number of deaths,	6 18.18	17 27.00—	7 9.72	14 11.20	7 10.14	15 11.19
6. Number of persons who died having general paralysis, Percentage to whole number of deaths, Number of persons who died having organic brain disease, Percentage to whole number of deaths, Number of persons who died having senile insanity, Percentage to whole number of deaths, Number of persons who died having epilepsy, Percentage to whole number of deaths, Percentage of all such persons to whole number of deaths,	3 9.09 — — 4 12.12 3 9.09 30.30	5 7.93+ 2 3.17 5 7.93+ 4 7.93+ 4 6.35— 25.39+	6 6.94 11 — 5 — 14 19.44 16.80 41.66+—	9 7.20 20 16.00 — — 21 16.80 40.00	6 8.69+ 5 7.24+ 26 37.68 2 56.52	16 11.94 11 8.20+ 36 26.86+ 2 1.49 48.50+

\* By State Board of Insanity and Immigration Commissioner.

*Discharges of the Insane from Public Asylums—Concluded.*

	BRIDGEWATER.		HOSPITAL FOR EPILEPTICS.		AGGREGATE.	
	1900-1901.	1899-1901.	1900-1901.	1899-1901.	1900-1901.	1899-1901.
1. Destination:						
Transferred to other institutions,	3	6	—	2	9	24
Removed by overseers of poor,	5	6	—	—	6	9
Boarded in private families,	—	—	—	—	10	22
Removed from the State,*	5	10	1	1	21	41
All other discharges excluding recoveries and deaths,	9	13	8	16	43	70
2. Recoveries,	8	18	—	—	28	57
3. Deaths,	19	32	11	23	204	377
Percentage to whole number of insane persons under treatment, to daily average number under treatment, to all discharges,	4.20 4.36+ 38.77+	3.33 4.36+ 37.64+	6.47 7.29+ 5.24—	6.90+ 7.92+ 5.35—	6.47+ 7.42 63.95—	6.18 7.42 62.83+
4. Number of persons who died aged 70 years or over, Percentage to whole number of deaths,	1 5.26	1 3.12+	—	—	45	83
5. Number of persons who died having tuberculosis, Percentage to whole number of deaths,	4 21.05	7 21.87+	2 18.18	2 8.70—	26	55
6. Number of persons who died having general paralysis, Percentage to whole number of deaths, Number of persons who died having organic brain disease, Percentage to whole number of deaths, Number of persons who died having senile insanity, Percentage to whole number of deaths, Number of persons who died having epilepsy, Percentage to whole number of deaths, Percentage of all such persons to whole number of deaths,	6 31.57+ — — — — 1 5.26 36.84	9 28.12+ — — — — 2 6.25 34.37+	— — — — — 11 100.00 100.00	— — — — — 23 100.00 100.00	20 16 7.84 30 14.70+ 31 15.19+ 47.64+	39 33 8.75 41 10.87+ 52 13.79 43.76+

\* By State Board of Insanity and Immigration Commissioner.

*Summary of General Statistics for Public Hospitals and Asylums.*

	Totals for Hospitals and Asylums.
<b>A.—Insane:—</b>	
Patients in house Oct. 1, 1900, . . . . .	7,417
Admitted within the year, . . . . .	2,754
Whole number of cases within the year, . . . . .	10,171
Discharged within the year, . . . . .	1,622
as recovered, . . . . .	389
as much improved, . . . . .	311
as improved, . . . . .	322
as not improved, . . . . .	594
as not insane, . . . . .	6
Died, . . . . .	759
Patients remaining Sept. 30, 1901, . . . . .	7,790
Viz.: supported as State patients,* . . . . .	2,271
as town patients,* . . . . .	4,903
as private patients,* . . . . .	616
Daily average number of patients,† . . . . .	7,560.62
<b>B.—Voluntary patients remaining Sept. 30, 1901, . . . . .</b>	<b>19</b>
<b>C.—Dipsomaniacs and inebrates remaining Sept. 30, 1901, . . . . .</b>	<b>20</b>

\* As reported by the hospitals.

† Includes inebrates and voluntary patients.

*Summary of Admissions of the Insane to Public Hospitals and Asylums.*

	TOTALS FOR HOSPITALS AND ASYLUMS.	
	1900-1901.	1899-1901.
Admissions of insane persons (excluding transfers), . . .	2,420	4,842
First admissions to any insane hospital, . . . . .	1,824	3,734
Readmissions to any insane hospital, . . . . .	596	1,108
Percentage of first admissions to any insane hospital, . . .	75.37	77.11+
of readmissions to any insane hospital, . . .	24.62+	22.88
Born in United States: Patients, . . . . .	1,353	2,751
Percentage to all admissions where birthplace was known.	53.56	54.76+
Fathers, . . . . .	687	1,402
Percentage to all admissions where birthplace was known.	32.90+	33.53
Mothers, . . . . .	711	1,422
Percentage to all admissions where birthplace was known.	34.18	34.02—

*Summary of Admissions of the Insane to Public Hospitals and Asylums — Concluded.*

		TOTALS FOR HOSPITALS AND ASYLUMS.	
		1900-1901.	1899-1901.
Number of persons aged 70 years or over, . . . . .	196	400	
Percentage to all admissions (excluding transfers), . . . . .	8.09+	8.26	
Causes of insanity: Congenital, . . . . .	131	294	
Percentage to all admissions, . . . . .	5.14+	5.83—	
Heredity, . . . . .	211	429	
Percentage to all admissions, . . . . .	8.29	8.50+	
Heredity or hereditary predisposition, . . . . .	407	864	
Percentage to all admissions, . . . . .	16.00—	17.13	
Epilepsy, . . . . .	58	138	
Percentage to all admissions, . . . . .	2.27+	2.73+	
Senility, . . . . .	248	538	
Percentage to all admissions, . . . . .	9.74	10.66+	
Intemperance, . . . . .	360	738	
Percentage to all admissions, . . . . .	14.14	14.63	
Forms of disease:—			
A.—Congenital mental deficiency, . . . . .	188	379	
Senile insanity, . . . . .	306	622	
Epileptic insanity, . . . . .	98	209	
General paralysis, . . . . .	228	439	
Gross organic brain disease, . . . . .	47	118	
Total, . . . . .	867	1,767	
Percentage of A to all admissions, . . . . .	34.06+	35.03+	
B.—Alcoholic insanity, . . . . .	248	500	
Percentage of B to all admissions, . . . . .	9.74	9.91	
C.—All other forms, . . . . .	1,430	2,776	
Percentage of C to all admissions, . . . . .	56.18+	55.04+	

*Summary of Discharges of the Insane from Public Hospitals and Asylums.*

1. Destination:—			
Transferred to other institutions, . . . . .	307	591	
Removed by overseers of poor, . . . . .	72	134	
Boarded in private families, . . . . .	26	67	
Removed from the State,* . . . . .	146	279	
All other discharges, excluding recoveries and deaths, . . .	682	1,323	

\* By State Board of Insanity and Immigration Commissioner.

*Summary of Discharges of the Insane from Public Hospitals and Asylums — Concluded.*

	TOTALS FOR HOSPITALS AND ASYLUMS.	
	1900-1901.	1899-1901.
2. Recoveries, . . . . .	375	834
Percentage to all admissions, . . . . .	14.73	16.53+
to admissions exclusive of congenital mental deficiency, senile insanity, epileptic insanity, general paralysis and organic brain disease.	22.34+	25.45+
to all discharges, . . . . .	15.65	17.28
to all discharges excluding deaths, . . . . .	22.78	25.02
Recovered on first admission, . . . . .	282	621
Discharged on first admission, . . . . .	1,708	3,467
Died on first admission, . . . . .	487	984
Percentage of all recovered on first admission to all first admissions.	14.70—	16.17
Percentage of all recovered on first admission to all first discharges.	16.51	17.91
Percentage of all recovered on first admission to all first discharges, excluding deaths.	23.09	25.01
Relapsed recoveries in any hospital readmitted, . . . . .	149	278
Percentage to all admissions, . . . . .	6.52+	6.07+
Relapsed recoveries in any hospital recovered this year, . . . . .	43	112
Percentage to all recoveries, . . . . .	13.18	14.41
3. Deaths, . . . . .	750	1,492
Percentage to whole number of insane persons under treatment.	7.67	7.78+
to daily average number under treatment, . . . . .	9.96	10.15
to all discharges, . . . . .	31.30	30.92
4. Number of persons who died aged 70 years or over, . . . . .	195	407
Percentage to whole number of deaths, . . . . .	26.00	27.27+
5. Number of persons who died having tuberculosis, . . . . .	81	162
Percentage to whole number of deaths, . . . . .	10.80	10.85+
6. Number of persons who died having general paralysis, . . . . .	137	274
Percentage to whole number of deaths, . . . . .	18.26+	18.36
Number of persons who died having organic brain disease, . . . . .	58	130
Percentage to whole number of deaths, . . . . .	7.73	8.71
Number of persons who died having senile insanity, . . . . .	199	392
Percentage to whole number of deaths, . . . . .	26.53	26.27
Number of persons who died having epilepsy, . . . . .	47	84
Percentage to whole number of deaths, . . . . .	6.26+	5.63
Percentage of all such persons to whole number of deaths,	58.80	58.98

## FINANCES OF THE STATE BOARD.

The expenses of the Board for the official year ending Sept. 30, 1901, were as follows:—

Travelling and office expenses, . . . . .	\$3,411 97
Salaries of officers and employees, . . . . .	13,792 78
Transportation and medical examination of State paupers, .	7,675 55
Support of insane paupers boarded out in families, . . . .	5,647 99
	<hr/>
	\$30,528 29

## DETAILS.

*Travelling and Office Expenses.*

Travelling expenses of members of the Board, . . . . .	\$546 30
Printing, . . . . .	\$372 60
Stationery and office supplies, . . . . .	230 36
Postage, . . . . .	181 17
Telegrams and telephone, . . . . .	137 79
Express, . . . . .	23 35
Publications, . . . . .	123 20
Extra services, . . . . .	592 79
Miscellaneous, . . . . .	20 04
	<hr/>
Travelling expenses:—	1,681 30

Owen Copp, . . . . .	\$318 12
Lowell F. Wentworth, . . . . .	215 11
John Euclid Fish, . . . . .	.89 60
Henry Shaw, . . . . .	64 50
Mabel G. Gragg, . . . . .	374 80
Ella Heal, . . . . .	50 31
Edna M. Young, . . . . .	65 59
Katie G. Stetson, . . . . .	2 70
Josephine P. Fuller, . . . . .	3 64
	<hr/>
	1,184 37

\$3,411 97

*Salaries of Officers and Employees.*

Owen Copp, M.D., executive officer, . . . . .	\$5,000 00
Lowell F. Wentworth, M.D., deputy executive officer, . . . . .	2,500 00
John Euclid Fish, M.D., medical visitor, . . . . .	625 00
Sarah Chapman, stenographer, . . . . .	900 00
Josephine P. Fuller, stenographer, . . . . .	700 00
Katie G. Stetson, clerk, . . . . .	700 00
Sarah L. Powers, clerk, . . . . .	624 72
Rebecca J. Greene, clerk, . . . . .	394 64
Edna M. Young, visitor, . . . . .	58 33
Mabel G. Gragg, visitor, . . . . .	427 09
Ella Heal, transportation officer, . . . . .	675 00
Fred A. Hewey, transportation officer, . . . . .	1,000 00
Henry Shaw, M.D., special visitor, . . . . .	188 00
	<hr/>
	\$13,792 78

*Transportation and Medical Examination.*

## Travelling expenses of officers:—

Lowell F. Wentworth,	. . . . .	\$1 34
John Euclid Fish,	. . . . .	1 46
Fred A. Hewey,	. . . . .	925 67
Ella Heal,	. . . . .	746 55
Mabel G. Gragg,	. . . . .	37 74
Edna M. Young,	. . . . .	54 01
		<hr/>
Foreign fares, patients,	. . . . .	\$3,591 56
Inland fares, patients,	. . . . .	808 08
Carriage and express, patients,	. . . . .	329 20
Food and lodging, patients,	. . . . .	122 61
Assistancee,	. . . . .	986 60
Telegrams and telephone,	. . . . .	4 98
Miscellaneous,	. . . . .	19 60
		<hr/>
Medical examination,	. . . . .	5,862 58
		<hr/>
		46 20
		<hr/>
		\$7,675 55

*Support of Insane boarded out in Families.*

Board,	. . . . .	\$5,499 52
Medical attendance,	. . . . .	71 75
Medicine,	. . . . .	18 80
Clothing,	. . . . .	35 57
Assistance,	. . . . .	21 50
Telegrams and telephone,	. . . . .	25
Express,	. . . . .	60
		<hr/>
		\$5,647 99

## FINANCES OF THE INSTITUTIONS.

*Tabulated Statement of the Receipts and Expenses of the State Insane Hospitals.*

	Worcester Insane Hospital.	Taunton Insane Hospital.	Northampton Insane Hospital.	Danvers Insane Hospital.	Westborough Insane Hospital.
Cash on hand Oct. 1, 1900,	\$18,205 24	\$1,766 71	\$23 29	\$13,575 76	\$6,894 04
<i>Receipts.</i>					
Commonwealth for the support of patients, *	50,143 81	37,713 73	17,697 78	37,597 64	34,068 45
Cities and towns for the support of patients, *	102,552 59	96,888 32	70,536 56	119,735 02	62,552 21
Individuals for the support of patients, *	53,563 42	19,159 92	21,041 41	29,574 36	36,511 53
Sales, labor, rents, interest on bank deposits,	4,913 21	4,399 38	2,045 82	4,952 14	583 01
All other sources except special appropriations, *	3,898 54	-	370 52	4,864 53	4,905 31
Total,	\$233,576 81	\$159,928 06	\$111,715 38	\$210,359 45	\$145,514 55
From special appropriations, *	6,972 79	763 17	13,436 34	57,863 67	15,530 81
Total receipts,	\$240,549 60	\$160,691 23	\$125,151 72	\$265,223 12	\$161,045 36
<i>Expenditures.</i>					
Salaries, wages and labor,	\$69,404 86	\$58,166 11	\$38,373 06	\$74,084 83	\$53,926 03
Provisions and supplies, *	60,500 95	49,400 55	34,897 86	56,206 11	42,559 06
Clothing,	10,691 15	5,417 36	4,104 80	6,901 48	3,037 38
Fuel and lights,	22,556 46	9,196 47	10,761 32	11,496 80	10,836 23
Medicines and medical supplies,	1,859 11	2,080 22	1,767 52	2,312 74	928 29
Furnishings,	3,780 32	5,294 77	4,045 00	6,831 49	4,224 32
Transportation,	213 24	309 16	714 92	3,903 43	3,119 03

Travelling expenses,	•	•	•	•	•	42.91	42.95	282.80	428.85	398.23
Ordinary repairs,	•	•	•	•	•	9,031.60	9,584.69	2,781.23	4,338.87	4,543.67
All other current expenses,	•	•	•	•	•	23,796.14	15,368.90	7,854.00	13,620.98	6,267.95
Total current expenses,	•	•	•	•	•	\$202,276.74	\$155,361.18	\$105,582.71	\$180,123.58	\$139,940.09
Extraordinary expenditures from current income,	•	•	•	•	•	\$11,002.02	\$3,543.18	—	\$11,713.95	\$3,014.59
Extraordinary expenditures from special appropriations,	•	•	•	•	•	6,410.06	763.17	\$13,436.34	57,863.67	15,530.81
Expenditures reimbursed,†	•	•	•	•	•	971.20	—	—	426.88	—
Cash refunded,‡	•	•	•	•	•	2,832.99	—	5,280.68	753.44	1,882.26
Total, •	•	•	•	•	•	\$21,236.26	\$4,306.35	\$18,716.92	\$70,757.94	\$20,427.66
Total expenditures, •	•	•	•	•	•	\$223,513.00	\$159,667.63	\$124,299.63	\$250,881.52	\$150,367.75
Cash on hand Sept. 30, 1901, •	•	•	•	•	•	\$17,036.60	\$1,028.70	\$852.08	\$17,331.60	\$10,677.61
Total resources, •	•	•	•	•	•	\$76,951.57	\$80,327.56	\$104,338.35	\$97,076.89	\$80,254.76
Total liabilities, •	•	•	•	•	•	25,555.19	28,312.09	24,226.05	23,035.90	9,960.25
Balance in favor of the institutions, •	•	•	•	•	•	\$51,396.38	\$52,015.47	\$80,612.30	\$74,040.99	\$70,294.51
Average weekly cost per capita:—										
As computed by the superintendents, •	•	•	•	•	•	\$3.48	\$3.38	\$3.36	\$3.29	\$3.67
As computed on current expenses, •	•	•	•	•	•	3.56	3.38	3.37	3.28	3.67
As computed on current expenses, deducting income from sales, labor, rents and interest on bank deposits.	•	•	•	•	•	3.49	3.29	3.31	3.19	3.66
As computed on current expenses and extraordinary expenditures from current income.	•	•	•	•	•	3.77	3.46	3.37	3.49	3.76
Daily average number of patients, •	•	•	•	•	•	1,087.9	883.15	601.97	1,057	680.31

\* Includes soldiers' relief. † For clothing furnished patients on discharge, returning escaped patients, and burial expenses.

‡ To patients, payments to State Treasurer, and of loans.

*Tabulated Statement of the Receipts and Expenses of the State Insane Asylums.*

	Worcester Insane Asylum.	Medfield Insane Asylum.	Asylum Wards State Hospital at Tewksbury.*	Asylum for Insane Criminals, State Farm.*
Cash on hand Oct. 1, 1900,	.	.	\$10,854 94	-
<i>Receipts.</i>				
Commonwealth for the support of patients,	.	25,857 89	62,322 11	\$186,909 81
Cities and towns for the support of patients,	.	54,653 66	138,175 37	-
Individuals for the support of patients,†	.	1,176 66	1,918 03	-
Sales, labor, rents, interest on bank deposits,	.	886 13	2,991 87	5,880 12
All other sources, except special appropriations,	.	314 59	607 43	-
Total,	.	\$90,110 13	\$216,869 75	\$188,636 61
From special appropriations,	.	-	14,331 46	53,881 49
Total receipts, .	.	\$90,110 13	\$231,201 21	\$242,518 10
<i>Expenditures.</i>				
Salaries, wages and labor,	\$28,732 40	\$68,292 96	\$42,890 65	\$44,327 50
Provisions and supplies,	26,550 24	61,493 67	58,387 25	54,290 14
Clothing,	5,324 84	17,333 43	15,506 32	10,499 30
Fuel and lights,	9,426 38	22,910 33	26,940 35	12,485 09
Medicines and medical supplies,	390 68	606 22	11,554 45	1,735 85
Furnishings,	2,381 72	2,551 99	3,634 94	3,228 77
Transportation,	227 59	1,861 93	7,836 19	2,720 80
Travelling expenses,	21 45	408 65	273 08	316 78

Ordinary repairs,	•	•	•	•	•	•	•	1,299 13	2,849 78	11,375 22	11,902 54
All other current expenses,	•	•	•	•	•	•	•	3,907 95	14,439 57	8,511 36	21,302 80
Total current expenses,	•	•	•	•	•	•	•	\$78,262 38	\$192,748 53	\$186,909 81	\$162,810 17
Extraordinary expenditures from current income,	•	•	•	•	•	•	•	\$7,200 00	\$8,039 40	—	—
Extraordinary expenditures from special appropriations,	•	•	•	•	•	•	•	—	14,331 46	\$53,881 49	—
Expenditures reimbursed,†	•	•	•	•	•	•	•	325 14	220 00	—	—
Cash refunded,\$	•	•	•	•	•	•	•	337 56	154 35	1,726 80	\$5,880 12
Total,	•	•	•	•	•	•	•	\$7,862 70	\$22,745 21	\$55,608 29	\$5,880 12
Total expenditures,	•	•	•	•	•	•	•	\$86,125 08	\$215,493 74	\$242,518 10	\$168,690 29
Cash on hand Sept. 30, 1901,	•	•	•	•	•	•	•	\$3,984 36	\$15,707 47	—	—
Total resources,	•	•	•	•	•	•	•	\$24,230 02	\$137,768 44	\$119,690 55	\$76,607 37
Total liabilities,	•	•	•	•	•	•	•	8,751 01	19,690 07	—	—
Balance in favor of the institutions,	•	•	•	•	•	•	•	\$15,479 01	\$118,078 37	\$119,690 55	\$76,607 37
Average weekly cost per capita : —											
As computed by the superintendents,	•	•	•	•	•	•	•	\$3 16	\$2 96	\$2 67	\$2 24
As computed on current expenses,	•	•	•	•	•	•	•	3 16	3 00	2 67	2 24
As computed on current expenses, deducting income from sales, labor, rents, and interest on bank deposits.	•	•	•	•	•	•	•	3 12	2 96	2 65	2 16
As computed on current expenses and extraordinary expenditures from current income,	•	•	•	•	•	•	•	3 45	3 13	2 67	2 24
Daily average number of patients,	•	•	•	•	•	•	•	476.82	1,234.04	1,346	1,397

\* Includes soldiers' relief.

† Includes the whole institution.

§ To patients, payments to State Treasurer, and of loans.

|| Balance of current expense appropriation and of special appropriation.

¶ Paid into State treasury.

*Tabulated Statement of the Receipts and Expenses of Other State and Partly State Institutions.*

	Hospital for Dipsomaniacs.	Hospital for Epileptics.	School for the Feeble-minded.	Hospital Cottages for Children.
Cash on hand Oct. 1, 1900,	\$3,930 74	\$7,964 36	\$9,770 32	\$2,597 75
<i>Receipts.</i>				
Commonwealth for the support of patients,	48,029 38	32,754 93	53,110 07	4,940 97
Cities and towns for the support of patients,	20,673 65	28,150 92	45,109 54	6,059 32
Individuals for the support of patients,*	2,355 94	2,994 38	5,546 28	11,848 63
Sales, labor, rents, interest on bank deposits,	412 65	1,794 96	576 74	3,358 38
All other sources except special appropriations,	10,999 47†	408 72	17,726 76	4,568 84
Total,	\$86,401 83	\$74,978 27	\$131,839 71	\$33,403 89
From special appropriations,*	450 00	69,359 23	13,592 97	-
Total receipts, *	\$86,851 83	\$143,457 50	\$145,432 68	\$33,403 89
<i>Expenditures.</i>				
Salaries, wages and labor,	\$18,048 36	\$27,916 81	\$45,087 78	\$12,180 80
Provisions and supplies,	15,600 40	13,942 36	29,807 09	\$8,898 48
Clothing,	1,930 26	2,032 56	7,259 96	666 25
Fuel and lights,	4,537 22	5,159 06	6,152 43	2,877 80
Medicines and medical supplies,	946 25	1,400 77	710 33	433 04
Furnishings,	2,280 74	988 89	4,746 52	32 97
Transportation,	1,348 15	718 07	478 11	1,403 20
Travelling expenses,	663 62	622 59	48 00	-

Ordinary repairs,	•	•	•	•	•	•	•	2,063 79	2,165 17	7,434 17	111 03
All other current expenses,	•	•	•	•	•	•	•	10,197 80	6,438 78	11,951 75	1,923 46
Total current expenses,	•	•	•	•	•	•	•	\$37,606 49†	\$61,275 06	\$113,676 14	\$28,437 03
Extraordinary expenditures from current income,	•	•	•	•	•	•	•	\$17,296 61§	\$6,500 00	\$6,338 50	\$909 00
Extraordinary expenditures from special appropriations,	•	•	•	•	•	•	•	450 00	69,389 23	13,592 97	—
Expenditures reimbursed,	•	•	•	•	•	•	•	3,673 73	—	—	—
Cash refunded,	•	•	•	•	•	•	•	—	309 36	—	—
Total,	•	•	•	•	•	•	•	\$21,420 34	\$76,198 59	\$19,931 47	\$909 00
Total expenditures,	•	•	•	•	•	•	•	\$19,026 83	\$137,473 65	\$133,607 61	\$29,346 03
Cash on hand Sept. 30, 1901,	•	•	•	•	•	•	•	\$7,825 00	\$5,993 85	\$11,825 07	\$4,057 86
Total resources,	•	•	•	•	•	•	•	\$22,713 00	\$58,011 22	\$96,355 96	\$9,879 62
Total liabilities,	•	•	•	•	•	•	•	10,827 21	8,440 10	9,934 04	2,303 25
Balance in favor of the institutions,	•	•	•	•	•	•	•	\$11,885 79	\$49,571 12	\$86,421 92	7,576 37
Average weekly cost per capita:—											
As computed by the superintendents,	•	•	•	•	•	•	•	\$4 53	\$4 49	\$3 19	\$4 02
As computed on current expenses,	•	•	•	•	•	•	•	4 55	4 53	3 20	4 21
As computed on current expenses, deducting income from sales, labor, rents and interest on bank deposits.	•	•	•	•	•	•	•	4 52	4 40	3 18	3 71
As computed on current expenses and extraordinary expenditures from current income,	•	•	•	•	•	•	•	4 84**	5 01	3 37	4 34
Daily average number of patients,	•	•	•	•	•	•	•	243.36	261.40	68.4	130

\* Includes soldiers' relief.

† Includes income from sale of brooms.

‡ Includes bills paid during the year ending Sept. 30, 1901.

|| For clothing furnished patients on discharge, returning escaped patients, and burial expenses.

\*\* Does not include \$13,659.77, cost of material for brooms.

¶ To patients, payments to State Treasurer, and of loans.

## PRIVATE INSTITUTIONS.

*McLean Hospital.*

This is a private hospital for the insane, a department of the Massachusetts General Hospital.

Its capacity is rated at 160 patients. The admissions exceeded the number of any year in the history of the new hospital at Waverley, reaching a total of 165 persons, of whom 105 were considered recent cases and 60 chronic or incurable.

The admissions constitute 102.68 per cent. of the daily average number of patients resident, as compared with 47.49 per cent. for the six public hospitals for the insane ; the discharges, 94.17 per cent., as compared with 43.06 per cent. ; showing a movement of patient population more than twice as rapid as in the public hospitals, and a proportionately larger amount of hospital, in distinction from custodial, work.

The voluntary cases were one-half of all admissions. In the last twenty years 850 voluntary patients have been received, as follows : 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41; 1890, 58; 1891, 40; 1892, 52; 1893, 46; 1894, 40; 1895, 39; 1896, 48; 1897, 61; 1898, 61; 1899, 60; 1900, 84.

The superintendent states : —

The development of the plan and purpose of the new hospital has now reached a stage which permits an extension of its benefits. Some parts of the hospital are now overcrowded, and the proper remedy for this by providing more room would also improve the classification. Our greatest present need in this regard is a new building for about 30 women. . . . A considerable number of patients in conditions of active senile insanity are being confided to the care of the hospital, where the facilities for treatment are better than can be had at their homes. It is not uncommon that distressing and apparently hopeless cases are relieved and restored to their homes in comparative comfort. The practice of bringing patients here for first care and observation is continuing in an increasing degree. These practical results are proving, in many

ways, that the function of such an institution includes a wider range of cases than those which can be regarded strictly as "acute and curable."

The training school, in the nineteen years of its existence, has graduated 383 nurses,— 250 women and 133 men. Of the 133 men, 55 are engaged in nursing, and 36 are physicians, medical students or dentists; of the 250 women, 151 are occupied as nurses, 21 are at home and likely to resume professional work, 3 have studied medicine and 64 are married. Thus it appears that a large proportion of the graduates continue to make use of the training received in school.

The general statistics for the year ending Sept. 30, 1901, are as follows:—

A.—Insane:—

Patients in house Oct. 1, 1900,	. . . . .	175
Admitted within the year,	. . . . .	146
Whole number of cases within the year,	. . . . .	321
Discharged within the year,	. . . . .	120
as recovered,	. . . . .	45
as much improved,	. . . . .	19
as improved,	. . . . .	31
as not improved,	. . . . .	25
Died,	. . . . .	24
Patients remaining Sept. 30, 1901,	. . . . .	177
Viz.: supported as private patients,	. . . . .	177
Daily average number of patients,	. . . . .	164.81
B.—Patients (not insane) remaining Sept. 30, 1901,	. . . . .	2

Other statistics relative to admissions and discharges are based upon the annual report of the hospital for the year ending Dec. 31, 1900, namely:—

*Admissions of the Insane.*

	<b>1900.</b>	<b>1899-1900.</b>
Admissions (persons), . . . . .	165	299
First admissions to any insane hospital, . . . . .	117	213
Readmissions to any insane hospital, . . . . .	48	86
Percentage of first admissions to any insane hospital, . . . . .	70.90+	71.23+
of readmissions to any insane hospital, . . . . .	29.09	28.76
Born in United States:—		
Fathers, . . . . .	126	229
Percentage to all admissions where birthplace was known, . . . . .	76.36	76.59—
Mothers, . . . . .	128	230
Percentage to all admissions where birthplace was known, . . . . .	77.57	76.92
Number of persons aged 70 years or over,* . . . . .	4	10
Percentage to all admissions, . . . . .	2.42	3.34
Causes of insanity:—		
Congenital, . . . . .	-	1
Percentage to all admissions, . . . . .	-	.33
Heredity, . . . . .	9	28
Percentage to all admissions, . . . . .	5.45	9.36
Heredity or hereditary predisposition, . . . . .	56	107
Percentage to all admissions, . . . . .	33.93+	35.78+
Epilepsy, . . . . .	-	-
Percentage to all admissions, . . . . .	-	-
Senility, . . . . .	4	10
Percentage to all admissions, . . . . .	2.42	3.34
Intemperance, . . . . .	11	16
Percentage to all admissions, . . . . .	6.66+	5.35
Forms of disease:—		
A.—Congenital mental deficiency, . . . . .	5	10
Senile insanity, . . . . .	7	14
Epileptic insanity, . . . . .	-	1
General paralysis, . . . . .	16	32
Gross organic brain disease, . . . . .	-	1
Total, . . . . .	28	58
Percentage of A to all admissions, . . . . .	16.56+	19.07+
B.—Alcoholic Insanity, . . . . .	8	11
Percentage of B to all admissions, . . . . .	4.73	3.61+
C.—All other forms, . . . . .	133	235
Percentage of C to all admissions, . . . . .	78.70—	77.30

\* First admitted to any hospital.

*Discharges of the Insane.*

	1900.	1899-1900.
<b>1. Destination:—</b>		
Transferred to other institutions, . . . . .	18	40
All other discharges excluding recoveries and deaths, . . .	77	139
<b>2. Recoveries, . . . . .</b>	<b>37</b>	<b>74</b>
Percentage to all admissions, . . . . .	21.89	24.34
to admissions exclusive of congenital mental deficiency, senile insanity, epileptic insanity, general paralysis and organic brain disease.	26.24	30.08
to all discharges, . . . . .	23.87	25.78
to all discharges excluding deaths, . . . . .	28.03	29.24+
Recovered on first admission, . . . . .	28	50
Discharged on first admission, . . . . .	115	198
Died on first admission, . . . . .	22	29
Percentage of all recovered on first admission to all first admissions.	23.93	23.47
Percentage of all recovered on first admission to all first discharges.	24.34	25.25
Percentage of all recovered on first admission to all first discharges excluding deaths.	30.10+	29.58+
Relapsed recoveries in this hospital readmitted, . . . . .	18	27
Percentage to all admissions, . . . . .	10.65	8.88
Relapsed recoveries in this hospital recovered this year, . . .	4	11
Percentage to all recoveries, . . . . .	10.81	14.86
<b>3. Deaths, . . . . .</b>	<b>23</b>	<b>34</b>
Percentage to whole number of persons under treatment, . . .	7.16+	5.60
to daily average number under treatment, . . .	13.97	10.56+
to all discharges, . . . . .	14.84-	11.84+
<b>4. Number of persons who died aged 70 years or over, . . . . .</b>	<b>1</b>	<b>5</b>
Percentage to whole number of deaths, . . . . .	4.35-	14.70+
<b>5. Number of persons who died having tuberculosis, . . . . .</b>	<b>1</b>	<b>1</b>
Percentage to whole number of deaths, . . . . .	4.35-	2.94
<b>6. Number of persons who died having general paralysis, . . . . .</b>	<b>12</b>	<b>17</b>
Percentage to whole number of deaths, . . . . .	52.17	50.00
Number of persons who died having organic brain disease, . . .	-	-
Percentage to whole number of deaths, . . . . .	-	-
Number of persons who died having senile insanity, . . . . .	3	6
Percentage to whole number of deaths, . . . . .	13.04	17.64+
Number of persons who died having epilepsy, . . . . .	-	-
Percentage to whole number of deaths, . . . . .	-	-
Percentage of all such persons to whole number of deaths, .	65.21+	67.64+

*The Smaller Private Institutions.**Dr. Stedman.*

	SANE.		INSANE.		Total.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1900, . . . .	1	3	3	5	12
Admitted during the year, . . .	3	7	1	3	14
Discharged during the year, . . .	3	6	3	3	15
Number Sept. 30, 1901, . . . .	1	4	1	5	11

*Dr. Russell.*

Number Oct. 1, 1900, . . . .	1	1	5	4	11
Admitted during the year, . . .	8	5	2	-	15
Discharged during the year, . . .	8	6	3	1	18
Number Sept. 30, 1901, . . . .	1	-	4	3	8

*Dr. Channing.*

Number Oct. 1, 1900, . . . .	1	12	-	11	24
Admitted during the year, . . .	5	16	-	3	24
Discharged during the year, . . .	4	14	-	3	21
Number Sept. 30, 1901, . . . .	2	14	-	11	27

*Dr. Norton.*

Number Oct. 1, 1900, . . . .	2	2	1	3	8
Admitted during the year, . . .	-	3	-	-	3
Discharged during the year, . . .	1	1	-	1	3
Number Sept. 30, 1901, . . . .	1	4	1	2	8

*Dr. Baker.*

Number Oct. 1, 1900, . . . .	-	7	-	3	10
Admitted during the year, . . .	-	20	-	-	20
Discharged during the year, . . .	-	19	-	1	20
Number Sept. 30, 1901, . . . .	-	8	-	2	10

*Dr. Bemis.*

Number Oct. 1, 1900, . . . .	-	1	-	12	13
Admitted during the year, . . .	-	-	1	9	10
Discharged during the year, . . .	-	1	-	13	14
Number Sept. 30, 1901, . . . .	-	-	1	8	9

*Dr. Paine.*

	SANE.		INSANE.		Total.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1900, . . . .	-	2	3	7	12
Admitted during the year, . . . .	4	11	4	10	29
Discharged during the year, . . . .	4	9	5	5	23
Number Sept. 30, 1901, . . . .	-	4	2	12	18

*Miss Cooke.*

Number Oct. 1, 1900, . . . .	-	-	-	2	2
Admitted during the year, . . . .	-	-	-	-	-
Discharged during the year, . . . .	-	-	-	-	-
Number Sept. 30, 1901, . . . .	-	-	-	2	2

*Dr. Heald.*

Number Oct. 1, 1900, . . . .	3	3	-	2	8
Admitted during the year, . . . .	6	2	1	1	10
Discharged during the year, . . . .	7	1	1	1	10
Number Sept. 30, 1901, . . . .	2	4	-	2	8

*Dr. Ring.*

Number Oct. 1, 1900, . . . .	3	6	-	-	9
Admitted during the year, . . . .	23	44	-	-	67
Discharged during the year, . . . .	22	40	-	-	62
Number Sept. 30, 1901, . . . .	4	10	-	-	14

*Dr. Keith.*

Number Oct. 1, 1900, . . . .	1	13	-	1	15
Admitted during the year, . . . .	-	21	-	-	21
Discharged during the year, . . . .	-	21	-	-	21
Number Sept. 30, 1901, . . . .	1	13	-	1	15

*Dr. Hill.*

Number Oct. 1, 1900, . . . .	2	2	-	1	5
Admitted during the year, . . . .	1	2	-	-	3
Discharged during the year, . . . .	-	4	-	-	4
Number Sept. 30, 1901, . . . .	3	-	-	1	4

*Dr. Wiswall.*

	SANE.		INSANE.		Total.
	Men.	Women.	Men.	Women.	
Number Oct. 1, 1900, . . . .	2	2	1	1	6
Admitted during the year, . . . .	4	15	1	3	23
Discharged during the year, . . . .	6	14	1	2	23
Number Sept. 30, 1901, . . . .	-	3	1	2	6

*Dr. Perry.*

Number Oct. 1, 1900, . . . .	3	4	-	-	7
Admitted during the year, . . . .	57	26	-	-	83
Discharged during the year, . . . .	50	25	-	-	75
Number Sept. 30, 1901, . . . .	10	5	-	-	15

*Dr. Nicola.*

Number Oct. 1, 1900, . . . .	9	26	1	-	36
Admitted during the year, . . . .	176	283	5	3	467
Discharged during the year, . . . .	167	271	4	3	445
Number Sept. 30, 1901, . . . .	18	38	2	-	58

*Total Private Hospitals.*

Number Oct. 1, 1900, . . . .	28	84	14	52	178
Admitted during the year, . . . .	287	455	15	32	739
Discharged during the year, . . . .	272	432	17	33	754
Number Sept. 30, 1901, . . . .	43	107	12	51	213

## THE BOARDED-OUT INSANE.

*Statistics from Oct. 1, 1900, to Sept. 30, 1901.*

	Men.	Women.	Total.
Boarded out in families Sept. 30, 1900, . . . . .	20	104	124
Placed out from Oct. 1, 1900, to Sept. 30, 1901, . . . . .	1	25	26
Whole number of cases during the year, . . . . .	21	129	150
Whole number of persons during the year, . . . . .	21	125	146
Cases returned to institutions, . . . . .	1	23	24
Cases discharged to overseers of the poor, . . . . .	1	2	3
Cases discharged for self-support, . . . . .	2	1	3
Cases eloped, . . . . .	-	1	1
Cases died, . . . . .	1	1	2
Whole number of discharges, . . . . .	5	28	33
Remaining Sept. 30, 1901, . . . . .	16	101	117
State patients, . . . . .	4	32	36
Town patients, . . . . .	6	59	65
Patients living with friends without public aid, . . . . .	4	2	6
Private patients, . . . . .	2	6	8
Self-supporting patients, . . . . .	-	2	2

Average number during the year, . . . . .	120.07
Average number during the year supported at public expense, . . . . .	101.85
Total cost of board for pauper patients, . . . . .	\$16,233 13
Total cost of clothing, . . . . .	35 07
Total cost of supervision (including salaries), . . . . .	1,553 19
Weekly cost of pauper patients (including supervision), . . . . .	3 35

	1865.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
At board September 30.	5	34	73	80	110	148	155	175	164	158	142	129	121	112	96	124	117
Average number, . . -	21	60	113	94	126	142	168	168	158	147	134	126	116	107	102	120	

The patients are distributed in towns as follows : Andover, 4 ; Ashfield, 3 ; Ashland, 1 ; Amesbury, 1 ; Beverly, 2 ; Boston, 3 ; Bridgewater, 2 ; Chelsea, 1 ; Cummington, 2 ; Danvers, 1 ; Dover, 2 ; Easthampton, 2 ; Easton, 2 ; Goshen, 2 ; Greenwich, 1 ; Holliston, 3 ; Mansfield, 1 ; Melrose, 6 ; Newton, 1 ; Northborough, 3 ; North Brookfield, 6 ; Norton,

4; Royalston, 2; Shrewsbury, 1; Spencer, 2; Springfield, 3; Taunton, 7; Tewksbury, 27; Tyngsborough, 1; Wakefield, 2; Walpole, 5; Waltham, 1; Westborough, 1; Williamsburg, 8; Woburn, 1.

There are also three patients outside the State, viz.: Dexter, N. H., 1; Providence, R. I., 2.

The 117 patients remaining Sept. 30, 1901, were in 72 families. Six families had 4 patients each; nine families, 3; nine families, 2; and forty-eight families, 1. In the last class 9 were with friends, of whom 2 were self-supporting.

#### REMOVALS AND TRANSFERS.

The Board is authorized to transfer patients from one institution under its supervision to another, and from the Lyman and Industrial Schools to the Massachusetts School for the Feeble-minded and the Hospital Cottages for Children; and also to send insane pauper inmates to any State or place where they belong, when the public interest or the necessities of the inmates require. The following tables show such removals and transfers during the year:—

#### *Removals.*

REMOVED TO —	REMOVED FROM —										
	Worcester Insane Hospital.	Taunton Insane Hos- pital.	Northampton Insane Hospital.	Danvers Insane Hos- pital.	Westborough Insane Hospital.	Asylum for Insane Criminals.	State Hospital at Tewksbury.	Hospital for Dipso- maniacs.	Hospital for Epi- leptics.	Massachusetts School for Feeble-minded.	Totals.
Other States, . . .	16	12	5	3	8	3	5	2	1	1	56
Other countries, . . .	22	15	7	15	13	2	7	-	3	-	84
Totals, . . .	38	27	12	18	21	5	12	2	4	1	140

*Transfers.*

## TRANSFERRED TO—

## TRANSFERRED FROM—

STATE HOSPITAL.	Asylum Wards.	House De- partment.	STATE HOSPITAL.	Asylum for Id- iots.	Sane Criminals.	Hospital for Epileptics.	Hospital for Dip- somaniacs and Imbeciles.	Boston Insane Hospital.	McLean Hospital.	Other Private Hosptials.	State Industrial School.	Lyman School for Boys.	Totals.	
Worcester Insane Hospital,	-	-	Worcester Insane Hospital,	-	-	-	-	-	-	-	-	-	-	16
Taunton Insane Hospital,	-	-	Taunton Insane Hospital,	-	-	-	-	-	-	-	-	-	-	19
Northampton Insane Hospital,	-	-	Northampton Insane Hospital,	-	-	-	-	-	-	-	-	-	-	1
Danvers Insane Hospital,	-	-	Danvers Insane Hospital,	-	-	-	-	-	-	-	-	-	-	10
Westborough Insane Hospital,	-	-	Westborough Insane Hospital,	-	-	-	-	-	-	-	-	-	-	10
Worcester Insane Asylum,	-	-	Worcester Insane Asylum,	-	-	-	-	-	-	-	-	-	-	31
Medfield Insane Asylum,	-	-	Medfield Insane Asylum,	-	-	-	-	-	-	-	-	-	-	177
Asylum Wards, State Hospital,	-	-	Asylum Wards, State Hospital,	-	-	-	-	-	-	-	-	-	-	56
Asylum for Insane Criminals,	-	-	Asylum for Insane Criminals,	-	-	-	-	-	-	-	-	-	-	1
Massachusetts Hospital for Epileptics,	-	-	Boston Insane Hospital,	-	-	-	-	-	-	-	-	-	-	3
Boston Insane Hospital,	-	-	McLean Hospital,	-	-	-	-	-	-	-	-	-	-	2
Other private hospitals,	-	-	Other private hospitals,	-	-	-	-	-	-	-	-	-	-	4
Massachusetts School for the Feeble-minded,	-	-	Hospital Cottages for Children,	-	-	-	-	-	-	-	-	-	-	3
Hospital Cottages for Children,	-	-	Totals,	-	-	-	-	-	-	-	-	-	-	20
	118	62		118	62	-	10	28	-	2	4	13	3	353

## CITY AND TOWN ALMSHOUSES.

The duty of inspecting and reporting upon the condition and management of city and town almshouses, as pauper institutions, devolves upon the State Board of Charity by act of the Legislature of 1900, chapter 215, namely :—

The state board of charity shall visit and inspect all almshouses maintained by the several cities and towns of the Commonwealth, and shall report annually upon their condition and management, with such suggestions and recommendations as the board may deem expedient.

However, the insane and feeble-minded inmates of such almshouses or of any receptacle for such are under the general supervision of the Board of Insanity according to section 9, chapter 433 of the Acts of 1898, namely :—

The board shall have general supervision over the state hospitals and asylums for the insane, and all other institutions and receptacles for insane or feeble-minded patients, either public or private. . . .

Furthermore, the Board, as commissioners of insanity, have authority to investigate the question of the insanity and condition of any person restrained of his liberty by reason of alleged insanity in any place within the Commonwealth, according to section 13 of the same act, namely :—

The board shall act as commissioners of insanity, with power to investigate the question of the insanity and condition of any person committed to any hospital or asylum for the insane, public or private, or restrained of his liberty by reason of alleged insanity at any place within the Commonwealth, and shall discharge any person so committed or restrained if in its opinion such person is not insane or can be cared for after such discharge without danger to others and with benefit to himself.

Finally, whenever the Board has reason to believe that any insane or other person is deprived of suitable treatment, it may make application for the commitment of such person to some institution under its supervision, according to section 14 of the same act, namely :—

. . . When it [the state board of insanity] has reason to believe that any insane or other person is deprived of suitable treatment it may make application for the commitment of such person to some institution under its supervision, according to the provisions of law. . . .

An agent of the Board has visited during the year every city and town almshouse and private family in which insane or feeble-minded persons have been cared for under the supervision of public authorities. Such almshouses number 213, and such private families 58. Such visits of inspection have been made during the year to the number of 241.

At the time of visitation there were found in almshouses 864 insane and 391 feeble-minded; in private families, 37 insane and 43 feeble-minded; total insane, 901; total feeble-minded, 434; total insane and feeble-minded, 1,335. Of the insane, 43 are epileptic; of the feeble-minded, 48; total insane and feeble-minded epileptics, 91.

Comparing with corresponding totals of last year, we find an increase of 56 insane, a decrease of 116 feeble-minded, — a total decrease of 60. The increase in the number of insane is largely a matter of classification. The medical visitor has found certain persons, formerly classified by a non-medical visitor as feeble-minded, who are also insane, and has transferred them to the proper class.

The Board considers that an insane person is not properly cared for in an almshouse or private family, when his mental condition is such that he requires frequent or continuous seclusion in a room, or mechanical restraint, or when he is so noisy as to disturb the other inmates, or so filthy in personal habits that his person and room cannot be kept in good sanitary condition. Sixteen such insane persons (7 men and 9 women) have been found during the year, whom the proper authorities have been requested to commit to an insane hospital, and have so acted upon the advice of the Board.

The following tables give the number and sex of the insane, feeble-minded and epileptic cared for by each town in almshouses or private families: —

*The Insane and Feeble-minded in City and Town Almshouses.*

TOWNS.	INSANE.*			FEEBLE-MINDED.*			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Acton, . . . . . . . .	1	1	2	-	1	1	3
Adams, . . . . . . . .	-	1	1	1	1	2	3
Agawam, . . . . . . . .	1	-	1	-	-	-	1
Amesbury, . . . . . . . .	1	2	3	1	1	2	5
Amherst, . . . . . . . .	1	2	3	3	-	3	6
Andover, . . . . . . . .	2	2	4	2	2	4	8
Arlington, . . . . . . . .	2	2	4	-	-	-	4
Ashby, . . . . . . . .	-	2	2	-	-	-	2
Ashburnham, . . . . . . . .	-	1	1	-	1	1	2
Ashfield, . . . . . . . .	-	-	-	1	-	1	1
Ashland, . . . . . . . .	1	-	1	2	2	4	5
Athol, . . . . . . . .	-	1	1	-	2	2	3
Attleborough, . . . . . . . .	1	-	1	2	-	2	3
Ayer, . . . . . . . .	1	-	1	3	-	3	4
Barnstable, . . . . . . . .	-	2	2	1	5	6	8
Bedford, . . . . . . . .	1	-	1	-	1	1	2
Belchertown, . . . . . . . .	2	1	3	1	-	1	4
Bellngham, . . . . . . . .	-	4	4	-	-	-	4
Beverly, . . . . . . . .	5	-	5	-	-	-	5
Billerica, . . . . . . . .	1	1	2	-	3	3	5
Blackstone, . . . . . . . .	-	-	-	-	1	1	1
Bolton, . . . . . . . .	-	1	1	2	-	2	3
Boston, . . . . . . . .	2	6	8	6	6	12	20
Boxford, . . . . . . . .	-	-	-	-	2	2	2
Boylston, . . . . . . . .	-	-	-	1	-	1	1
Braintree, . . . . . . . .	2	1	3	-	-	-	3
Bridgewater, . . . . . . . .	-	2	2	-	2	2	4
Brimfield, . . . . . . . .	-	-	-	-	1	1	1
Brockton, . . . . . . . .	8	8	16	2	2	4	20
Brookfield, . . . . . . . .	-	1	1	-	1	1	2
Brookline, . . . . . . . .	-	1	1	-	-	-	1
Buckland, . . . . . . . .	2	2	4	-	1	1	5
Burlngton, . . . . . . . .	1	-	1	-	1	1	2
Cambridge, . . . . . . . .	4	8	12	-	1	1	13
Carlisle, . . . . . . . .	-	-	-	1	1	2	2

\* Includes epileptics.

*The Insane and Feeble-minded, etc.—Continued.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Charlton, . . . . . . .	1	1	2	-	-	-	2
Chatham, . . . . . . .	-	-	-	1	1	2	2
Chelmsford, . . . . . . .	1	1	2	-	-	-	2
Chicopee, . . . . . . .	4	4	8	1	-	1	9
Cohasset, . . . . . . .	1	-	1	1	2	3	4
Conway, . . . . . . .	1	-	1	1	-	1	2
Dartmouth, . . . . . . .	1	-	1	1	-	1	2
Dedham, . . . . . . .	-	1	1	1	-	1	2
Deerfield, . . . . . . .	-	1	1	-	-	-	1
Dennis, . . . . . . .	-	-	-	1	1	2	2
Douglas, . . . . . . .	-	-	-	-	1	1	1
Dudley, . . . . . . .	-	1	1	3	-	3	4
East Bridgewater, . . . . . .	-	1	1	1	3	4	5
Easthampton, . . . . . .	1	3	4	-	1	1	5
Easton, . . . . . . .	1	2	3	1	-	1	4
Essex, . . . . . . .	1	2	3	-	1	1	4
Fairhaven, . . . . . . .	2	-	2	1	-	1	3
Fall River, . . . . . . .	2	14	16	4	2	6	22
Falmouth, . . . . . . .	-	-	-	1	2	3	3
Fitchburg, . . . . . . .	8	9	17	5	3	8	25
Foxborough, . . . . . . .	-	-	-	1	1	2	2
Framingham, . . . . . . .	2	-	2	-	-	-	2
Franklin, . . . . . . .	-	1	1	2	-	2	3
Freetown, . . . . . . .	-	-	-	1	1	2	2
Gardner, . . . . . . .	-	-	-	1	-	1	1
Georgetown, . . . . . . .	2	-	2	1	-	1	3
Gloucester, . . . . . . .	4	3	7	2	3	5	12
Grafton, . . . . . . .	1	-	1	-	-	-	1
Greenfield, . . . . . . .	1	-	1	-	-	-	1
Groton, . . . . . . .	2	1	3	1	2	3	6
Hadley, . . . . . . .	-	1	1	1	1	2	3
Hanover, . . . . . . .	-	1	1	-	-	-	1
Hanson, . . . . . . .	-	-	-	2	-	2	2
Hardwick, . . . . . . .	-	-	-	-	1	1	1
Harvard, . . . . . . .	1	-	1	-	2	2	3
Harwich, . . . . . . .	-	3	3	1	-	1	4

*The Insane and Feeble-minded, etc. — Continued.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Haverhill, . . . . . . .	12	13	25	2	1	3	28
Hingham, . . . . . . .	-	3	3	-	1	1	4
Holden, . . . . . . .	2	4	6	3	2	5	11
Holliston, . . . . . . .	1	4	5	-	1	1	6
Holyoke, . . . . . . .	19	21	40	1	-	1	41
Hopkinton, . . . . . . .	-	2	2	-	2	2	4
Hudson, . . . . . . .	1	1	2	-	-	-	2
Ipswich, . . . . . . .	3	2	5	2	2	4	9
Lancaster, . . . . . . .	1	1	2	4	1	5	7
Lawrence, . . . . . . .	23	48	71	1	1	2	73
Lee, . . . . . . .	1	1	2	1	3	4	6
Leicester, . . . . . . .	-	2	2	2	2	4	6
Leominster, . . . . . . .	3	4	7	3	-	3	10
Lowell, . . . . . . .	21	52	73	5	14	19	92
Lunenburg, . . . . . . .	4	-	4	1	-	1	5
Lynn, . . . . . . .	1	-	1	4	9	13	14
Malden, . . . . . . .	-	-	-	1	1	2	2
Manchester, . . . . . . .	-	1	1	-	-	-	1
Marblehead, . . . . . . .	2	1	3	1	-	1	4
Marlborough, . . . . . . .	2	1	3	1	-	1	4
Marshfield, . . . . . . .	-	-	-	2	-	2	2
Mattapoisett, . . . . . . .	1	-	1	-	1	1	2
Medfield, . . . . . . .	-	1	1	-	1	1	2
Medford, . . . . . . .	1	1	2	1	-	1	3
Medway, . . . . . . .	3	2	5	-	-	-	5
Melrose, . . . . . . .	-	-	-	-	2	2	2
Middleborough, . . . . . . .	1	2	3	2	3	5	8
Millford, . . . . . . .	2	-	2	-	1	1	3
Millbury, . . . . . . .	-	1	1	1	1	2	3
Milton, . . . . . . .	-	-	-	-	1	1	1
Monson, . . . . . . .	1	1	2	2	2	4	6
Montague, . . . . . . .	-	1	1	-	1	1	2
Nantucket, . . . . . . .	1	3	4	2	1	3	7
Natick, . . . . . . .	2	-	2	-	-	-	2
New Bedford, . . . . . . .	6	4	10	2	4	6	16
Newburyport, . . . . . . .	6	8	14	-	-	-	14

*The Insane and Feeble-minded, etc. — Continued.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
New Salem,	-	1	1	-	-	-	1
Newton,	1	2	3	4	6	10	13
North Adams,	-	1	1	-	-	-	1
Northampton,	5	8	13	1	1	2	15
North Andover,	2	1	3	-	3	3	6
North Attleborough,	-	-	-	2	1	3	3
Northborough,	1	-	1	-	-	-	1
Northbridge,	1	-	1	-	-	-	1
North Brookfield,	3	-	3	2	-	2	5
North Reading,	1	-	1	1	-	1	2
Norton,	1	-	1	-	1	1	2
Norwell,	1	1	2	-	1	1	3
Orange,	-	1	1	-	2	2	3
Oxford,	-	1	1	3	1	4	5
Palmer,	1	2	3	-	-	-	3
Peabody,	5	2	7	3	2	5	12
Pembroke,	-	2	2	1	-	1	3
Pepperell,	-	1	1	-	-	-	1
Petersham,	1	-	1	-	-	-	1
Pittsfield,	6	10	16	5	1	6	22
Plymouth,	1	2	3	-	-	-	3
Provincetown,	-	-	-	-	3	3	3
Quincy,	1	-	1	-	-	-	1
Randolph,	-	1	1	-	-	-	1
Reading,	-	-	-	-	1	1	1
Rehoboth,	-	3	3	-	-	-	3
Rochester,	1	2	3	-	-	-	3
Rockland,	2	2	4	2	-	2	6
Rockport,	1	2	3	1	-	1	4
Salem,	20	17	37	3	2	5	42
Sandwich,	1	3	4	-	1	1	5
Saugus,	1	-	1	1	-	1	2
Seekonk,	-	1	1	-	-	-	1
Sharon,	1	-	1	1	-	1	2
Sherborn,	-	2	2	-	-	-	2
Shrewsbury,	-	-	-	-	2	2	2

*The Insane and Feeble-minded, etc. — Continued.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Shutesbury,	-	-	-	1	2	3	3
Somerset,	1	2	3	1	-	1	4
Southbridge,	1	4	5	-	-	-	5
South Hadley,	-	2	2	-	-	-	2
Spencer,	3	1	4	1	1	2	6
Springfield,	29	39	68	4	2	6	74
Sterling,	1	-	1	-	-	-	1
Stoneham,	-	-	-	2	-	2	2
Stoughton,	-	-	-	-	1	1	1
Stowe,	-	-	-	-	2	2	2
Sturbridge,	-	-	-	-	1	1	1
Sudbury,	1	2	3	1	1	2	5
Sutton,	-	4	4	6	3	9	13
Swansea,	-	1	1	-	1	1	2
Taunton,	2	1	3	1	1	2	5
Tewksbury,	-	-	-	3	-	3	3
Townsend,	1	3	4	-	-	-	4
Tyngsboroug,	-	-	-	1	-	1	1
Uxbridge,	1	-	1	1	1	2	3
Upton,	-	-	-	2	-	2	2
Wakefield,	1	1	2	2	-	2	4
Walpole,	1	-	1	1	-	1	2
Waltham,	7	7	14	1	1	2	16
Wareham,	-	1	1	1	1	2	3
Warren,	1	-	1	2	3	5	6
Warwick,	2	-	2	-	-	-	2
Watertown,	-	4	4	-	-	-	4
Webster,	1	2	3	1	-	1	4
Wellesley,	-	2	2	-	1	1	3
Westborough,	5	3	8	3	2	5	13
West Boylston,	-	1	1	1	-	1	2
West Bridgewater,	2	-	2	1	-	1	3
West Brookfield,	-	1	1	-	-	-	1
Westfield,	-	-	-	3	-	3	3
Westford,	-	-	-	1	2	3	3
West Newbury,	-	1	1	-	-	-	1

*The Insane and Feeble-minded, etc. — Concluded.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Weston, . . . . .	-	-	-	1	-	1	1
Westport, . . . . .	-	-	-	1	-	1	1
Weymouth, . . . . .	3	1	4	4	5	9	13
Wilmington, . . . . .	-	-	-	-	1	1	1
Winchendon, . . . . .	4	2	6	-	-	-	6
Woburn, . . . . .	1	1	2	1	1	2	4
Worcester, . . . . .	42	56	98	12	3	15	113
Wrentham, . . . . .	1	1	2	1	2	3	5
Yarmouth, . . . . .	-	1	1	1	-	1	2
Totals, . . . . .	365	499	864	201	190	391	1,255

*Cities and Towns supporting Insane and Feeble-minded in Private Families.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Amesbury, . . . . .	-	-	-	-	1	1	1
Ayer, . . . . .	-	1	1	-	-	-	1
Barnstable, . . . . .	-	-	-	1	-	1	1
Barre, . . . . .	-	-	-	-	1	1	1
Becket, . . . . .	-	1	1	-	1	1	2
Berlin, . . . . .	1	2	3	-	-	-	3
Cambridge, . . . . .	1	-	1	-	1	1	2
Charlemont, . . . . .	-	-	-	1	-	1	1
Cheshire, . . . . .	1	1	2	-	-	-	2
Concord, . . . . .	-	1	1	-	-	-	1
Clinton, . . . . .	-	-	-	1	1	2	2
Cummington, . . . . .	-	1	1	1	1	2	3
Dalton, . . . . .	-	-	-	2	-	2	2
Danvers, . . . . .	-	-	-	2	1	3	3
Douglas, . . . . .	-	-	-	1	-	1	1
Eastham, . . . . .	-	1	1	-	1	1	2
Edgartown, . . . . .	-	-	-	-	1	1	1
Egremont, . . . . .	-	1	1	-	-	-	1

*Cities and Towns supporting Insane and Feeble-minded in Private Families—Concluded.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Enfield, . . . . . . .	-	-	-	1	1	2	2
Erving, . . . . . . .	-	1	1	-	-	-	1
Great Barrington, . . . . . . .	-	2	2	1	3	4	6
Holbrook, . . . . . . .	1	-	1	-	-	-	1
Lenox, . . . . . . .	-	1	1	-	-	-	1
Leverett, . . . . . . .	-	-	-	-	1	1	1
Lexington, . . . . . . .	-	1	1	-	-	-	1
Marion, . . . . . . .	1	-	1	-	-	-	1
Merrimac, . . . . . . .	-	2	2	-	-	-	2
Milton, . . . . . . .	-	-	-	1	-	1	1
Monterey, . . . . . . .	-	-	-	-	1	1	1
Montgomery, . . . . . . .	-	-	-	-	1	1	1
Mount Washington, . . . . . . .	-	-	-	1	-	1	1
New Marlborough, . . . . . . .	-	1	1	-	1	1	2
North Adams, . . . . . . .	-	-	-	1	-	1	1
Oakham, . . . . . . .	-	1	1	-	-	-	1
Otis, . . . . . . .	-	-	-	-	1	1	1
Oxford, . . . . . . .	-	1	1	-	-	-	1
Pittsfield, . . . . . . .	-	-	-	-	1	1	1
Raynham, . . . . . . .	-	-	-	-	2	2	2
Rowley, . . . . . . .	-	1	1	-	-	-	1
Shelburne, . . . . . . .	-	1	1	-	-	-	1
Shrewsbury, . . . . . . .	-	-	-	1	-	1	1
Southborough, . . . . . . .	2	1	3	1	-	1	4
Tolland, . . . . . . .	-	1	1	-	-	-	1
Tyningham, . . . . . . .	-	-	-	-	1	1	1
Wales, . . . . . . .	-	2	2	-	-	-	2
Wellfleet, . . . . . . .	-	-	-	2	2	4	4
Westborough, . . . . . . .	-	1	1	-	-	-	1
Westfield, . . . . . . .	-	1	1	-	-	-	1
Weymouth, . . . . . . .	-	1	1	-	-	-	1
Williamsburg, . . . . . . .	-	1	1	-	-	-	1
Worthington, . . . . . . .	-	1	1	-	-	-	1
Wilmlngton, . . . . . . .	-	-	-	-	1	1	1
Totals, . . . . . . .	7	30	37	18	25	43	80

*Summary.*

	ALMSHOUSES.						PRIVATE FAMILIES.						AGGREGATE					
	AT VISIT.			INCREASE.			AT VISIT.			INCREASE.			AT VISIT.			INCREASE.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Insane, . . . . .	365	499	864	25	33	58	7	30	37	2	4*	2*	372	529	901	27	29	56
Feeble-minded, . . . . .	201	190	391	51*	63*	114*	18	25	43	-	2*	2*	219	215	434	51*	65*	116*
Total, . . . . .	566	689	1,255	26*	30*	56*	25	55	80	2	6*	4*	591	744	1,335	24*	36*	60*

\* Decrease.

*The Epileptic in City and Town Almshouses.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.	
	Males.	Females.	Total.	Males.	Females.	Total.		
Adams, . . . . .	-	-	-	-	1	1	1	1
Amberst, . . . . .	-	-	-	1	1	2	2	
Ashburnham, . . . . .	-	-	-	-	1	1	1	
Athol, . . . . .	-	-	-	-	1	1	1	
Attleborough, . . . . .	-	-	-	1	-	1	1	
Barnstable, . . . . .	-	-	-	1	-	1	1	
Beverly, . . . . .	1	1	2	-	-	-	2	
Blackstone, . . . . .	-	-	-	-	1	1	1	
Boston, . . . . .	-	1	1	3	2	5	6	
Boxford, . . . . .	-	-	-	1	-	1	1	
Braintree, . . . . .	-	-	-	1	-	1	1	
Brockton, . . . . .	-	-	-	1	-	1	1	
Bridgewater, . . . . .	-	-	-	-	1	1	1	
Cambrdge, . . . . .	-	-	-	2	-	2	2	
Dennis, . . . . .	-	-	-	1	-	1	1	
Douglas, . . . . .	-	-	-	1	1	-	1	
Dudley, . . . . .	1	-	1	-	-	-	1	
Easthampton, . . . . .	-	-	-	-	-	1	1	
Fall River, . . . . .	1	-	1	-	-	-	1	
Franklin, . . . . .	-	-	-	1	-	1	1	
Greenfield, . . . . .	1	-	1	-	-	-	1	
Hadley, . . . . .	-	-	-	1	-	1	1	
Haverhill, . . . . .	-	1	1	-	-	-	1	
Hingham, . . . . .	-	-	-	1	-	1	1	
Holden, . . . . .	-	-	-	1	-	1	1	
Holyoke, . . . . .	-	1	1	-	-	-	1	
Ipswich, . . . . .	-	-	-	1	-	1	1	
Lancaster, . . . . .	-	-	-	2	-	2	2	
Lowell, . . . . .	2	1	3	-	-	-	3	
Lunenburg, . . . . .	1	-	1	-	-	-	1	
Marlborough, . . . . .	1	-	1	-	-	-	1	

*The Epileptic in City and Town Almshouses — Concluded.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Medfield, .	-	1	1	-	-	-	1
Monson, .	-	1	1	-	-	-	1
Montague, .	-	-	-	-	1	1	1
New Bedford, .	-	-	-	-	1	1	1
North Attleborough, .	-	1	1	-	-	-	1
North Brookfield, .	-	-	-	3	-	3	3
Norwell, .	-	1	1	-	-	-	1
Oxford, .	-	-	-	1	-	1	1
Peabody, .	-	1	1	-	-	-	1
Pittsfield, .	-	-	-	1	-	1	1
Plymouth, .	-	1	1	-	-	-	1
Rehoboth, .	-	1	1	-	-	-	1
Rochester, .	-	1	1	-	-	-	1
Salem, .	2	-	2	-	-	-	2
Shrewsbury, .	-	-	-	-	1	1	1
Shutesbury, .	-	1	1	1	-	1	2
Spencer, .	1	1	2	-	-	-	2
Springfield, .	3	2	5	-	-	-	5
Sudbury, .	-	1	1	-	-	-	1
Sutton, .	-	-	-	2	-	2	2
Townsend, .	-	1	1	-	-	-	1
Tyningham, .	-	-	-	1	-	1	1
Wareham, .	-	1	1	-	-	-	1
Warren, .	-	-	-	1	-	1	1
Warwick, .	1	-	1	-	-	-	1
Wayland, .	-	-	-	1	-	1	1
Westborough, .	-	-	-	1	1	2	2
Westfield, .	-	-	-	1	-	1	1
Westford, .	-	-	-	-	1	1	1
Weymouth, .	-	-	-	1	-	1	1
Woburn, .	-	-	-	1	-	1	1
Worcester, .	4	3	7	-	-	-	7
Totals,	23	20	43	34	14	48	91

*Cities and Towns supporting Epileptics in Private Families.*

TOWNS.	INSANE.			FEEBLE-MINDED.			Aggregates.
	Males.	Females.	Total.	Males.	Females.	Total.	
Barre, . . . . . . . .	-	-	-	-	1	1	1
Cambridge, . . . . . . . .	-	-	-	-	1	1	1
Danvers, . . . . . . . .	-	-	-	-	1	1	1
Douglas, . . . . . . . .	-	-	-	1	-	1	1
Edgartown, . . . . . . . .	-	1	1	-	-	-	1
Enfield, . . . . . . . .	-	-	-	1	-	1	1
Great Barrington, . . . . . . . .	-	-	-	1	-	1	1
Housatonic, . . . . . . . .	-	-	-	1	-	1	1
Merrimac, . . . . . . . .	-	-	-	-	1	1	1
Otis, . . . . . . . .	-	-	-	-	1	1	1
Wellfleet, . . . . . . . .	-	-	-	1	-	1	1
Totals, . . . . . . . .	-	1	1	5	5	10	11



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## APPENDIX.

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# STATISTICAL TABLES.

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ARRANGED ACCORDING TO FORMS IN USE PRIOR TO  
OCT. 1, 1898.

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## FINANCES OF STATE INSTITUTIONS.

TABLE I.—*Valuation of State Institutions, Sept. 30, 1901.*

INSTITUTIONS.	Number of Acres of Land.	Value of Land.	Value of Buildings.	Value of Personal Property.	Total Valuation.	Valuation of 1900.	Increase of Valuation.
Worcester Insane Hospital,	• . . . .	411.45	\$156,000 00	\$1,240,423 00	\$1,644,420 98	\$1,580,843 98	\$1,464,191 70
Worcester Insane Asylum,	• . . . .	11.13	193,880 00	285,500 00	43,639 48	523,019 48	513,652 89
Taunton Insane Hospital,	• . . . .	272.00	47,600 00	422,000 00	124,775 98	594,375 98	594,920 41
Northampton Insane Hospital,	• . . . .	505.00	53,400 00	526,850 00	86,039 85	666,289 85	650,004 74
Danvers Insane Hospital,	• . . . .	392.70	55,977 00	1,501,134 80	177,237 00	1,714,348 80	1,713,750 01
Westborough Insane Hospital,	• . . . .	547.23	36,642 31	468,400 00	102,875 49	607,917 80	608,200 78
Medfield Insane Asylum,	• . . . .	426.00	20,000 00	1,039,000 00	145,304 36	1,204,304 36	1,169,588 12
Hospital for Dipsomaniacs,	• . . . .	104.00	15,500 00	164,100 00	34,235 72	213,835 72	204,364 95
Hospital for Epileptics, • . . . .	346.00	26,463 00	243,170 00	85,998 86	355,631 86	214,154 74	111,477 12
Totals,	• . . . .	3,015.51	\$555,662 31	\$5,890,577 80	\$984,927 72	\$7,760,567 83	\$7,182,834 34
Massachusetts School for the Feeble-minded,	• . . . .	1,768.00	39,364 74	289,641 00	113,712 55	442,718 29	420,700 54
Hospital Cottages for Children, • . . . .	300.00	13,625 00	112,000 00	63,815 51	189,440 51	188,840 51	600 00

\* Decrease.

## VALUATION OF STATE INSTITUTIONS.

TABLE II.—*Classified Valuation of Personal Property at the State Institutions, Sept. 30, 1901.*

INSTITUTIONS.	Live Stock on the Farm.	Produce of the Farm on Hand.	Carriages and Agricultural Implements.	Machinery and Mechanical Fixtures.	Beds and Bedding in the Inmates' Department.	Other Furniture in the Superintendents' Department.	Property of the State in the Superintendents' Department.	Ready-made Clothing.
Worcester Insane Hospital,	• • •	\$11,387 00	\$17,946 25	\$7,617 50	\$32,538 85	\$31,993 00	\$24,053 30	\$30,095 67
Worcester Insane Asylum, •	• • •	300 00	1,050 50	300 00	9,000 00	9,000 00	3,500 00	9,500 00
Taunton Insane Hospital, •	• • •	9,454 00	4,372 50	6,787 98	37,000 00	25,263 07	12,487 55	11,234 66
Northampton Insane Hospital, •	• • •	8,782 00	9,358 90	3,260 00	17,500 00	13,000 00	8,250 00	9,500 00
Danvers Insane Hospital, •	• • •	11,364 75	10,163 00	5,138 40	66,675 18	22,431 74	20,544 84	20,228 22
Westborough Insane Hospital, •	• • •	10,993 50	7,938 45	5,462 92	23,579 61	17,633 99	18,912 26	6,647 65
Medfield Insane Asylum, •	• • •	9,915 25	1,637 25	4,483 65	28,035 51	30,800 00	32,000 00	9,644 12
Hospital for Dipsomaniacs, •	• • •	3,450 00	2,618 01	2,390 00	1,049 00	5,826 00	5,326 09	3,373 96
Hospital for Epileptics, •	• • •	4,974 00	6,422 95	3,051 20	31,104 35	6,102 38	6,580 79	7,113 03
Totals, • • •	• • •	\$70,600 50	\$61,507 61	\$38,171 65	\$246,482 50	\$162,100 18	\$131,624 83	\$107,237 61
Massachusetts School for the Feeble-minded, •	• • •	4,584 31	1,500 00	5,149 82	\$5,586 69	14,206 26	12,623 31	6,660 05
Hospital Cottages for Children, •	• • •	1,287 00	300 00	620 00	837 00	—	—	200 00

## VALUATION OF STATE INSTITUTIONS.

TABLE II. — *Classified Valuation of Personal Property, etc. — Concluded.*

INSTITUTIONS.	Dry Goods.	Provisions and Groceries.	Drugs and Medicines.	Fuel.	Library.	Other Supplies undistributed.	Funds and Investments.	Totals.
Worcester Insane Hospital, . . . . .	\$1,626 13	\$3,527 53	\$436 86	\$1,336 35	\$5,238 00	\$6,623 70	\$8,266 53	\$184,420 98
Worcester Insane Asylum, . . . . .	802 67	1,905 40	300 00	4,000 00	600 00	1,368 44	—	43,639 48
Taunton Insane Hospital, . . . . .	8,151 66	1,811 96	600 00	4,000 00	900 00	2,762 30	—	124,775 98
Northampton Insane Hospital, . . . . .	1,013 09	2,362 49	900 00	7,572 37	1,250 00	2,200 51	—	86,039 86
Danvers Insane Hospital, . . . . .	2,407 09	2,551 12	1,530 86	4,991 85	1,445 00	6,123 96	—	177,237 00
Westborough Insane Hospital, . . . . .	2,916 65	1,452 02	966 72	20 00	1,451 45	4,161 45	—	102,875 49
Medfield Insane Asylum, . . . . .	5,021 20	3,009 44	650 00	12,007 00	450 00	3,273 17	—	145,394 36
Hospital for Dipsomaniacs, . . . . .	90 00	1,221 96	800 00	3,457 00	592 00	2,994 70	—	34,235 72
Hospital for Epileptics, . . . . .	1,826 79	1,845 73	1,681 84	7,132 50	600 00	6,617 80	—	85,398 86
Totals, . . . . .	\$23,855 28	\$19,687 65	\$7,866 28	\$44,517 07	\$12,526 45	\$36,126 03	\$8,266 53	\$884,527 72
Massachusetts School for the Feeble-minded, . . . . .	1,515 90	1,117 45	250 00	3,100 00	1,054 00	3,940 80	48,643 00	118,712 55
Hospital Cottages for Children, . . . . .	50 00	189 00	300 00	192 00	225 00	—	54,615 51	63,815 51

TABLE No. III.—*Receipts of the State Institutions for the Year ending Sept. 30, 1901.*

## INSTITUTIONS.

INSTITUTIONS.		Cash on Hand Oct. 1, 1900.	Total from Appropriations for Current Expenses.	From Special Approp. priations.	From Farm and the Labor of Inmates.	From Cities and Towns.	From Industries. als.	Total Receipts at the Institutions.	Other Receipts on Ac- counts of the Institu- tions.
Worcester Insane Hospital,		\$18,205 24	\$50,143 81	\$6,972 79	\$3,010 26	\$102,852 59	\$52,807 72	\$6,557 19	\$240,549 60
Worcester Insane Asylum,		7,221 22	25,857 89	-	-	54,653 65	680 34	1,697 03	90,110 13
Taunton Insane Hospital,		1,766 71	37,713 73	763 17	-	96,888 32	17,243 17	6,316 13	160,691 23
Northampton Insane Hospital,		23 29	17,697 78	13,436 34	1,135 25	70,536 56	21,041 41	1,281 09	125,151 72
Convers Insane Hospital,		13,575 76	37,597 64	57,863 67	1,992 12	119,795 02	28,304 08	9,094 83	268,223 12
Westborough Insane Hospital,		6,894 04	34,088 45	15,330 81	465 57	62,552 21	35,580 64	5,953 64	161,045 36
Medfield Insane Asylum,		10,854 94	62,322 11	14,331 46	-	138,175 37	516 06	5,001 27	231,201 21
Hospital for Dipsomaniacs,		3,930 74	48,029 38	450 00	111 25	20,973 65	2,355 94	11,300 87	86,851 33
Hospital for Epileptics.,		7,964 36	32,764 93	69,389 23	1,054 49	28,150 92	2,867 17	1,276 40	143,467 50
Totals,		\$70,436 30	\$346,195 72	\$178,737 47	\$7,768 94	\$69,278 29	\$161,396 53	\$8,478 45	\$1,507,291 70
Massachusetts School for the Feeble-minded,		9,770 32	53,110 07	13,592 97	-	45,100 54	16,236 20	7,613 58	145,432 68
Hospital Cottages for Children,		2,597 75	4,940 97	-	751 76	6,089 32	11,848 63	7,175 47	33,403 89

TABLE IV.—*Expenditures of the State Institutions for the Year ending Sept. 30, 1901.*

## **EXPENDITURES OF STATE INSTITUTIONS.**

INSTITUTIONS.	CURRENT EXPENSES.						Expenses of Trustees, Inspectors or Superin- tendents.		
	Salaries, Wages and Labor.	Provisions and Supplies.	Clothing.	Fuel and Lights.	Medicines and Medical Supplies.	Furniture, Beds and Bedding.	Transporta- tion and Travelling Expenses.	Ordinary Repairs.	
Worcester Insane Hospital,	\$69,404 86	\$60,500 95	\$10,691 15	\$22,956 46	\$1,869 11	\$3,780 32	\$213 24	\$9,031 60	\$42 91
Worcester Insane Asylum,	28,732 40	26,550 24	5,324 84	9,426 38	390 68	2,381 72	227 59	1,299 13	21 45
Wanton Insane Hospital,	58,166 11	49,400 55	5,417 36	9,196 47	2,080 22	5,294 77	309 16	9,584 69	42 95
Northampton Insane Hospital,	38,373 06	34,397 86	4,104 80	10,761 52	1,767 52	4,015 00	714 92	2,781 23	282 80
Danvers Insane Hospital,	74,084 33	56,295 11	6,901 48	11,455 80	2,312 74	6,531 49	3,903 43	4,335 87	428 85
Vestborough Insane Hospital,	53,926 03	42,659 06	3,037 38	10,936 23	928 29	4,224 32	3,119 03	4,543 57	398 23
Edfield Insane Asylum,	68,292 96	61,493 67	17,233 43	22,910 33	606 22	2,551 99	1,861 93	2,849 78	408 65
Hospital for Dipsomaniacs,	18,048 36	15,600 40	1,930 26	4,537 22	946 25	2,280 74	1,348 16	2,053 79	663 52
Hospital for Epileptics,	27,916 81	13,942 36	2,932 56	5,159 06	1,400 77	988 89	718 07	2,155 17	522 59
Totals,	\$136,945 42	\$361,150 20	\$66,773 26	\$107,379 47	\$12,291 80	\$32,379 24	\$12,415 52	\$38,637 83	\$2,811 95
Massachusetts School for the Feeble-minded,	46,087 78	29,807 09	7,259 96	6,152 43	710 33	4,746 52	478 11	7,434 17	48 00
Hospital Cottages for Children,	12,180 80	8,808 48	666 25	2,877 80	433 04	32 97	1,403 20	111 03	-

## EXPENDITURES OF STATE INSTITUTIONS.

TABLE IV.—*Expenditures of the State Institutions, etc. — Concluded.*

INSTITUTIONS.	CURRENT EXPENSES — Con.			EXTRAORDINARY EXPENSES.			Total Disbursements.	Average Weekly Expenses, as computed by the Superintendent.
	All Other Ordinary Expenses.	Total Current Expenditures.	Buildings and Improvements.	Extraordinary Repairs.	Miscellaneous Disbursements.	Total Extraordinary Expenses.		
Worcester Insane Hospital,	\$23,766 14	\$292,276 74	\$6,410 05	\$11,002 02	\$3,824 19	\$21,236 26	\$223,513 00	\$3 48
Worcester Insane Asylum,	3,907 95	78,262 35	—	7,200 00	662 70	7,862 70	86,125 08	3 16
Taunton Insane Hospital,	15,668 90	155,361 18	763 17	3,543 18	—	4,306 35	159,667 53	3 38
Northampton Insane Hospital,	7,894 00	105,582 71	13,436 34	—	5,280 58	18,716 92	124,299 63	3 36
Danvers Insane Hospital,	13,620 98	180,123 58	57,863 67	10,006 61	2,887 66	70,757 94	250,881 52	3 29
Westborough Insane Hospital,	6,297 95	129,940 09	15,530 81	3,014 59	1,882 26	20,427 66	150,387 75	3 67
Medfield Insane Asylum,	14,459 57	192,748 53	14,331 46	8,039 40	374 36	22,745 21	215,493 74	2 96
Hospital for Dipsomaniacs,	10,197 80	57,606 49	450 00	14,803 56	6,166 78	21,420 34	79,026 83	4 53
Hospital for Epileptics,	6,748 14	61,584 42	69,539 23	—	6,500 00	75,889 23	137,473 65	4 49
Totals,	\$102,701 43	\$1,163,486 12	\$178,174 73	\$57,609 36	\$27,678 52	\$263,362 61	\$1,126,848 73	—
Massachusetts School for the Feeble-minded,	11,951 75	113,676 14	13,592 97	—	6,338 50	19,931 47	123,697 61	\$3 19
Hospital Cottages for Children,	1,923 46	28,437 03	—	235 60	653 50	909 00	29,346 03	4 02

## FINANCIAL CONDITION SEPT. 30, 1901.

TABLE V.—*Financial Condition of the State Institutions, Sept. 30, 1901.*

INSTITUTIONS.	LIABILITIES.		RESOURCES.		Balance in Favor of Institutions.					
	Balances Unpaid.	Bills Payable.	Cash on Hand.	Bills Receivable.						
Worcester Insane Hospital,	\$5,915 68	\$19,639 51	\$25,555 19	\$17,036 60	\$57,500 93	\$74,627 53	\$2,324 04	\$76,951 57	\$51,396 38	
Worcester Insane Asylum,	2,440 18	6,310 83	8,751 01	3,984 95	20,245 07	-	24,230 02	-	24,230 02	15,479 01
Taunton Insane Hospital,	4,879 28	23,432 81	28,312 09	1,023 70	41,067 03	-	42,090 73	38,236 83	80,327 56	52,015 47
Northampton Insane Hospital,	3,301 76	20,924 29	24,229 05	852 09	29,734 46	-	30,636 55	74,251 80	104,838 35	80,612 30
Danvers Insane Hospital,	6,850 43	16,185 47	23,035 90	17,341 60	49,483 77	-	66,825 37	39,251 52	97,076 89	74,040 99
Westborough Insane Hospital,	4,504 19	5,456 06	9,960 25	10,677 61	27,037 83	-	37,715 44	42,539 32	80,254 76	70,294 51
Medfield Insane Asylum,	5,182 70	14,507 37	19,690 07	15,707 47	46,842 07	\$20,000 00	82,549 54	55,218 90	137,768 44	118,078 37
Hospital for Dipsonomiacs,	1,535 91	9,291 30	10,827 21	7,825 00	9,249 84	2,538 16	19,613 00	3,100 00	22,713 00	11,885 79
Hospital for Epileptics,	2,514 37	5,925 73	8,440 10	5,993 85	12,468 33	2,919 96	21,382 74	36,628 48	58,011 22	49,571 12
Totals,	\$37,124 50	\$121,673 37	\$158,797 87	\$80,442 87	\$283,719 93	\$25,468 12	\$399,620 92	\$282,550 89	\$632,171 81	\$523,373 94
Massachusetts School for the Feeble-minded.	-	9,934 04	9,931 04	11,825 07	20,365 27	8,750 00	40,380 34	55,425 62	96,355 96	86,421 92
Hospital Cottages for Children,	1,079 85	1,223 40	2,303 25	4,057 86	5,821 76	-	9,379 62	-	9,379 62	7,576 37

TABLE VI.—Comparative Cost of Different Items by the Week.

INSTITUTIONS.		Reported Average Number of Inmates.		Salaries, Wages and Labor.		Provisions and Supplies.		Fuel and Lights.		Medicines and Medical Supplies.		Furniture, Beds and Bedding.		Transportion and Traveling Expenses.		Ordinary Repairs.		All Other Driftary Expenses.		Average Weekly Cost.	
Worcester Insane Hospital,	•	•	•	\$1,087.90	\$1,227	\$1,069	\$0,189	\$0,040	\$0,033	\$0,037	\$0,004	\$0,160	\$0,421	\$3,210	\$3,48	By the Inmates. Repairs.	Estimated by the Inmates.	Average of the Inmates.	Estimated by the Inmates.	\$3,19	4.02
Worcester Insane Asylum,	•	•	•	476.82	1,159	1,071	215	380	016	096	009	052	158	3,16	3,16						
Taunton Insane Hospital,	•	•	•	883.15	1,267	1,076	118	200	045	115	007	209	346	3,38	3,38						
Northampton Insane Hospital,	•	•	•	601.97	1,226	1,115	131	344	056	129	023	089	260	3,373	3,36						
Dalvers Insane Hospital,	•	•	•	1,087.00	1,348	1,023	126	210	042	124	071	079	247	3,270	3,29						
Westborough Insane Hospital,	•	•	•	680.31	1,534	1,203	686	309	026	119	088	128	188	3,671	3,67						
Medfield Insane Asylum,	•	•	•	1,284.04	1,064	958	270	373	069	040	290	044	232	3,280	2,96						
Hospital for Dipsomaniacs,	•	•	•	243.36	1,426	1,233	153	359	075	180	107	162	856	4,553	4,53						
Hospital for Epileptics,	•	•	•	261.40	2,034	1,026	150	380	103	073	053	159	512	4,510	4,49						
Totals,	•	•	•	6,525.95	\$1,287	\$1,064	\$0,167	\$0,258	\$0,036	\$0,095	\$0,086	\$0,113	\$0,308	\$3,414	—						
Massachusetts School for the Feeble-minded,	•	•	•	684.00	1,288	838	204	173	020	133	013	209	337	3,185	3,19						
Hospital Cottages for Children,	•	•	•	130.00	1,802	1,303	099	426	064	005	208	016	285	4,208	4,208						

TABLE No. VII.—*Population and Expenses of the State Institutions for the Year ending Sept. 30, 1901.*

## POPULATION AND EXPENSES.

## KIND AND COST OF PROVISIONS.

TABLE VIII.—*Kind and Cost of Provisions at the State Institutions for the Year ending Sept. 30, 1901.*

INSTITUTIONS.	KIND AND COST OF PROVISIONS.											
	Meat of All Kinds.	Fish of All Kinds.	Fruit and Vegetables.	Flour.	Graham and Meal for Tables.	Grain and Meal for Table.	Tea, Coffee and Chocolate.	Sugar and Molasses.	Milk, Butter and Chesse.	All Other Provt.	Totals.	
Worcester Insane Hospital,	\$14,850 30	\$2,819 16	\$5,101 16	\$5,734 90	\$7,553 50	\$6,802 64	\$1,901 48	\$5,531 84	\$7,166 10	\$8,477 96	\$1,361 91	\$60,500 95
Worcester Insane Asylum,	4,242 06	948 18	3,717 72	3,487 72	49 08	189 78	690 55	1,388 58	8,671 99	410 43	2,784 15	26,550 24
Taunton Insane Hospital,	16,454 27	2,058 97	2,586 20	5,611 10	519 90	4,490 54	1,638 65	3,043 21	7,468 49	5,529 22	—	49,400 55
Northampton Insane Hospital,	7,144 48	1,518 17	1,868 31	3,229 50	375 96	3,687 41	1,401 92	2,939 93	5,956 77	3,579 88	2,705 58	34,897 86
Danvers Insane Hospital,	16,233 52	2,795 26	2,633 47	6,507 00	602 40	6,594 52	2,281 48	3,654 08	7,868 17	4,952 20	2,083 01	56,205 11
Westborough Insane Hospital,	11,403 59	1,783 20	2,590 55	4,037 74	530 52	6,481 85	1,443 54	2,834 57	6,203 54	745 57	42,550 06	
Medfield Insane Asylum, *	13,535 34	2,420 85	3,584 10	6,077 68	1,190 68	8,418 05	3,235 07	4,842 81	8,703 18	8,473 59	1,012 32	61,493 67
Hospital for Dipsomaniacs, *	2,215 96	773 76	1,266 67	2,396 77	119 06	2,919 24	538 67	1,275 59	1,411 66	2,663 03	—	16,600 40
Hospital for Epileptics, *	2,864 34	478 52	874 65	569 25	403 80	2,011 62	381 41	1,465 12	2,353 89	949 42	1,590 34	13,942 36
Total, *	\$58,943 81	\$15,596 07	\$24,222 93	\$37,631 66	\$4,544 89	\$41,565 65	\$13,502 77	\$26,975 73	\$54,104 54	\$11,659 27	\$12,372 88	\$361,150 20
Massachusetts School for the Feeble-minded, *	6,135 02	555 22	2,581 57	3,831 50	366 08	3,039 60	322 29	2,068 82	8,094 94	1,588 31	1,223 65	29,807 09
Hospital Cottages for Children, *	1,674 59	446 75	492 48	698 40	41 06	1,121 57	131 89	111 58	1,109 07	679 58	2,310 51	\$,808 48

## INSANITY IN PUBLIC AND PRIVATE HOSPITALS AND ASYLUMS.

TABLE IX.—*Average Number of Inmates at the State Institutions for Fifteen Years.*

INSTITUTIONS.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.
Worcester Insane Hospital,	719.44	708.19	779.74	811.48	807.01	857.36	878.78	899.91	922.34	956.25	853.58	871.41	913.52	1,016.89	1,087.92
Worcester Insane Asylum,	393.52	383.95	385.56	330.23	394.66	427.82	446.94	442.23	460.68	427.36	438.14	428.16	433.81	470.18	476.82
Taunton Insane Hospital,	638.00	628.00	632.61	639.49	649.05	692.95	722.03	766.33	817.73	819.37	796.19	781.61	833.67	861.30	883.10
Northampton Insane Hospital,	478.55	470.25	469.10	470.50	457.00	469.09	480.26	474.11	526.58	560.49	544.51	546.16	563.32	576.33	601.97
Danvers Insane Hospital,	743.00	736.00	734.54	782.28	784.00	834.31	870.40	879.77	935.35	914.28	892.95	871.45	925.00	989.00	1,057.53
Westborough Insane Hospital,	248.47*	369.60	437.89	474.69	473.09	508.61	521.30	530.95	564.29	579.90	546.57	563.91	615.99	662.29	680.31
Medfield Insane Asylum, *	-	-	-	-	-	-	-	-	-	461.61†	741.95	974.59	1,031.04	1,138.28	1,234.04
Hospital for Dipsomaniacs,	-	-	-	-	-	-	-	62.78‡	101.08	125.14	145.32	148.77	164.58	177.25	221.46
Hospital for Epileptics,	-	-	-	-	-	-	-	-	-	-	-	-	130.83‡	206.43	225.61
Asylum wards, State Hospital,	356.58	335.52	356.73	360.11	376.00	371.80	451.57	471.61	480.90	475.80	482.99	461.17	464.34	486.34	504.39
Asylum for Insane Criminals, *	67.72	143.00	145.13	146.00	199.00	230.00	232.00	240.00	244.40	267.04	309.04	301.60	316.50	349.80	383.30
Massachusetts School for Feeble-minded.	179.00	165.00	198.00	240.00	328.00	364.00	398.00	423.00	426.00	416.00	438.00	558.00	605.00	626.00	684.00
Aggregates, * . . .	3,783.07	3,979.51	4,139.30	4,254.78	4,467.81	4,755.94	5,042.33	5,228.99	5,603.30	5,754.15	6,122.60	6,519.84	7,058.57	7,623.48	8,098.14

\* For ten months.

† For five months.

‡ For thirty-four weeks.

## ADMISSIONS, DISCHARGES, ETC.

TABLE X.—Admissions, Discharges, etc., at Institutions for the Insane, for the Year ending Sept. 30, 1901.

	Remaining Sept. 30, 1900,	Taunton Insane Hospital.	Worcester Insane Hospital.	Danvers Insane Hospital.	Northampton Insane Hospital.	Westborough Insane Hospital.	Worcester Insane Hospital.	Meredith Insane Asylum.	Asylum for Inmates.	Boston Insane Hospital.	McLean Hospital.	Herbert Hall.	Worcester.	The Highlands.	Wimberdon.
Males,	1,090	867	590	1,053	672	482	1,197	484	372	142	503	175	12	9	5
Females,	•	499	312	515	283	240	515	382	372	65	253	86	-	-	4
Since admitted,	•	691	441	543	389	242	682	349	-	77	250	89	12	12	4
Males,	•	•	•	445	207	435	343	35	182	154	80	29	146	10	2
Females,	•	•	•	291	110	231	154	1	84	57	80	17	133	74	1
Cases within the year,	•	•	297	213	97	204	189	34	98	97	-	12	116	72	9
Persons within the year,	•	1,678	1,312	797	1,488	1,015	517	1,379	638	452	171	812	321	22	11
Males,	•	1,297	794	1,482	1,005	517	1,378	636	452	170	800	314	22	11	7
Females,	•	775	647	420	435	241	599	191	452	81	333	167	1	1	4
Residents of other States,	•	886	650	374	744	570	276	779	446	-	89	417	157	21	-
Average number,	•	1,087.92	883.10	601.97	1,057.53	680.31	476.82	1,234.04	504.39	383.30	150.72	500.52	164.81	10.91	9.00
Discharges, viz.:—	•	•	•	580	385	179	351	323	40	93	116	49	21	296	144
Recovered,	•	•	•	91	77	39	47	69	1	4	13	8	-	48	45
Much improved,	•	•	•	94	49	26	63	58	4	2	2	2	-	18	19
Improved,	•	•	•	82	50	28	59	39	5	14	3	6	-	31	2
Not improved,	•	•	•	177	95	35	80	49	2	14	18	4	4	106	1
Not insane,	•	•	•	2	1	—	—	36	—	—	3	—	—	—	—
Died,	•	•	•	134	114	50	102	72	33	72	69	19	11	85	3

TABLE X.—*Admissions, Discharges, etc.—Continued.*

		ADMISSIONS, DISCHARGES, ETC.									
		Worcester Insane Hospital.					Northampton Insane Hospital.				
		Worcester Insane Hospital.					Northampton Insane Hospital.				
		Worcester Insane Hospital.					Northampton Insane Hospital.				
Remaining Sept. 30, 1901,	•	•	•	•	•	1,098	927	618	1,137	692	477
Males, •	•	•	•	•	•	528	459	323	539	221	1,296
Females, •	•	•	•	•	•	570	408	295	598	256	403
Supported by the State,	•	•	•	•	•	289	206	98	225	185	522
by towns, •	•	•	•	•	•	641	646	436	801	397	134
by individuals, •	•	•	•	•	•	168	75	84	111	110	403
Residents of other States, •	•	•	•	•	•	-	-	5	-	-	78
Whole number of admissions, viz.:—	•	•	•	•	•	588	445	207	435	343	35
Supported by the State, •	•	•	•	•	•	383	262	76	258	166	6
by towns, •	•	•	•	•	•	150	160	102	143	100	29
by individuals, •	•	•	•	•	•	55	23	29	34	77	-
First hospital admissions, •	•	•	•	•	•	449	327	145	322	236	-
Former inmates, •	•	•	•	•	•	139	118	62	113	107	35
Of this hospital, •	•	•	•	•	•	96	79	43	63	55	1
Of other hospitals, •	•	•	•	•	•	43	39	19	50	52	34
Among the admissions were —	•	•	•	•	•	9	5	-	1	10	-
Admitted as habitual drunkards, •	•	•	•	•	•	-	-	2	28	28	-
Received as voluntary patients, •	•	•	•	•	•	-	-	-	-	-	-

\* Includes 117 unknown.

† Reported only by the State hospitals.

NOTE.—No insane at the private institutions of Dr. Ring, Dr. Filling and Dr. Perry.

Among the admissions were —  
 Admitted as habitual drunkards, •  
 Received as voluntary patients, •

## **ADMISSIONS, DISCHARGES, ETC.**

TABLE X.—*Admissions, Discharges, etc.*—Continued.

## **ADMISSIONS, DISCHARGES, ETC.**

TABLE X.—*Admissions, Discharges, etc.*—Concluded.

TABLE XI.—*Number of State, Town and Private Patients remaining in the Public Hospitals and Asylums for the Insane on the 30th of September, for Thirty-five Years.*

YEARS.	WORCESTER INSANE HOSPITAL.			WORCESTER INSANE ASYLUM.			TAUNTON INSANE HOSPITAL.			NORTHAMPTON INSANE HOSPITAL.			DANVERS INSANE HOSPITAL.		
	State.	Town.	Private.	State.	Town.	Private.	State.	Town.	Private.	State.	Town.	Private.	State.	Town.	Private.
1857,	.	101	142	114	-	-	153	132	51	271	49	93	-	-	-
1858,	.	96	141	145	-	-	181	163	49	264	51	106	-	-	-
1859,	.	51	173	152	-	-	145	104	44	234	63	105	-	-	-
1860,	.	35	193	181	-	-	124	208	50	209	73	123	-	-	-
1861,	.	29	211	181	-	-	91	213	78	215	80	116	-	-	-
1862,	.	25	241	173	-	-	85	261	68	230	99	104	-	-	-
1863,	.	48	244	177	-	-	76	290	68	247	101	85	-	-	-
1864,	.	82	244	159	-	-	128	308	72	291	110	75	-	-	-
1865,	.	42	296	140	-	-	135	394	73	262	139	75	-	-	-
1866,	.	35	320	132	-	-	137	485	70	253	143	63	-	-	-
1867,	.	51	355	122	-	-	168	563	55	239	175	61	-	-	-
1868,	.	77	303	129	97	278	134	387	58	198	179	52	80	107	35
1869,	.	73	300	116	118	253	126	378	55	202	184	56	149	334	50
1870,	.	120	311	102	120	253	119	378	59	183	206	57	134	395	78
1871,	.	114	363	108	95	272	81	411	56	176	229	58	112	432	82
1872,	.	135	442	104	104	277	94	414	60	161	244	54	115	442	99
1873,	.	184	436	111	105	287	111	463	59	158	253	58	150	461	110
1874,	.	170	460	119	109	277	100	458	69	153	253	57	153	462	113
1875,	.	197	464	125	112	293	123	472	61	154	262	60	214	434	104
1876,	.	149	486	123	100	298	113	484	66	141	283	67	200	459	104
1877,	.	135	432	127	93	299	111	449	74	104	390	65	165	477	98
1878,	.	163	491	116	98	297	91	455	78	103	309	69	104	504	107

## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.

TABLE XI.—Number of State, Town and Private Patients, etc.—Continued.

YEARS.	WORCESTER INSANE HOSPITAL.			TAUNTON INSANE HOSPITAL.			NORTHAMPTON INSANE HOSPITAL.			DANVERS INSANE HOSPITAL.			
	State.	Town.	Private.	WORCESTER INSANE ASYLUM.			State.	Town.	Private.	State.	Town.	Private.	
				State.	Town.	Private.							
1889,	154	534	121	94	289	94	444	79	88	297	61	541	108
1890,	180	483	122	82	217	131	463	85	101	323	71	142	108
1891,	207	491	127	117	294	129	472	79	80	302	71	138	104
1892,	248	487	156	146	303	108	509	81	84	332	73	135	113
1893,	223	528	135	139	315	147	533	71	81	327	72	142	115
1894,	204	576	144	137	326	121	567	97	73	361	70	130	116
1895,	208	606	147	121	326	118	637	91	73	390	73	138	112
1896,	233	474	154	114	311	150	564	85	75	405	79	180	109
1897,	178	540	149	107	328	122	565	71	47	388	87	92	107
1898,	183	531	160	107	312	156	576	74	58	407	98	132	100
1899,	223	576	169	135	326	187	600	73	82	420	88	187	97
1900,	257	654	179	155	327	194	601	72	94	415	81	202	104
1901,	239	641	168	146	331	206	646	75	98	436	84	225	111

## NUMBER OF STATE, TOWN AND PRIVATE PATIENTS, ETC.

TABLE XI.—*Number of State, Town and Private Patients, etc.*—Continued.

YEARS	AT IPSWICH <sup>a</sup> AND WESTBOROUGH.		AT TWEWSBURY.		AT BRIDGEWATER.		AT MCLEAN HOSPITAL.		AT BOSTON INSANE HOSPITAL.		TOTALS BY CLASSES.		
	State.	Town.	Private.	State.	Town.	State.	Town.	Private.	Town.	Private.	State.	Town.	Private.
1867, .	-	39	15	248	-	-	-	181	130	36	773	532	490
1868, .	-	38	44	264	-	-	-	173	154	25	805	552	512
1869, .	-	40	16	267	-	-	-	186	185	19	697	955	522
1870, .	-	47	19	294	-	-	-	186	207	15	662	728	574
1871, .	-	34	17	295	-	-	-	170	223	17	630	770	579
1872, .	-	43	18	299	-	-	-	174	200	14	639	844	561
1873, .	-	45	19	303	-	-	-	163	178	13	674	858	525
1874, .	-	41	20	319	-	-	-	150	183	22	820	886	498
1875, .	-	43	19	286	-	-	-	159	172	29	725	1,044	495
1876, .	-	50	21	284	-	-	-	159	177	18	711	1,180	463
1877, .	-	50	21	286	-	-	-	183	166	26	734	1,310	467
1878, .	-	55	15	251	-	-	-	163	170	26	837	1,479	478
1879, .	-	54	12	202	-	-	-	160	130	23	870	1,634	472
1880, .	-	49	12	159	32	-	-	163	136	26	867	1,760	497
1881, .	-	46	12	193	34	-	-	153	154	24	805	1,941	463
1882, .	-	50	9	237	37	-	-	160	169	19	846	2,075	505
1883, .	-	51	11	218	54	-	-	174	171	16	926	2,156	539
1884, .	-	46	7	307	37	-	-	175	178	16	955	2,161	556
1885, .	-	50	7	265	34	-	-	169	195	19	1,064	2,205	545

\* Ipswich Asylum discontinued and Westborough opened in 1887.

† Including at Medfield Insane Asylum, in 1866, 563 patients,—State 128 and town 435; in 1897, 961,—State 198 and town 763; in 1898, 1,001,—State 204 and town 737; In 1899, 1,098,—State 233 and town 855; in 1900, 1,197,—State 250 and town 947; and in 1901, 1,286,—State 275 and town 1,011. At the Hospital for Epileptics at Monson, in 1898, 171,—State 50, town 120 and private 1; in 1899, 158,—State 31 and town 107; in 1900, 142,—State 34, town 108 and private 2; and in 1901, 150,—State 36, town 111, and private 3.

TABLE XI.—*Number of State, Town and Private Patients, etc. — Concluded.*

YEARS.	AT IPSWICH AND WESTBOROUGH.		AT TEWKSURY.		AT BRIDGEWATER.		AT MCLEAN HOSPITAL.		AT BOSTON INSANE HOSPITAL.		TOTALS BY CLASSES.		
	State.	Town.	Private.	State.	Town.	State.	Town.	Private.	Town.	Private.	State.	Town.	Private.
											Total of Classes.		
1886, *	-	47	7	325	42	48	-	161	206	27	1,079	2,305	555
1887, *	115	172	22	318	41	106	29	169	214	38	1,137	2,413	588
1888, *	113	258	35	270	52	100	41	179	153	23	1,042	2,590	607
1889, *	196	264	43	281	83	112	35	182	276	37	1,129	2,764*	631
1890, *	158	309	41	275	89	112	36	184	335	42	1,181	2,819*	633
1891, *	137	308	48	278	86	147	76	174	364	63	1,233	2,969*	666
1892,	170	323	51	279	101	147	83	185	347	61	1,317	3,098	722
1893,	132	314	68	295	168	137	85	177	402	50	1,296	3,287	685
1894,	134	357	82	298	162	155	93	181	392	61	1,252	3,494	751
1895,	125	342	100	294	179	161	83	136	454	73	1,298	3,725	732
1896,	96	351	101	281	193	188	112	150	406	76	1,445	3,319	754
1897,	120	333	98	290	179	206	119	155	431	76	1,360	4,250	743
1898,	118	374	92	281	171	187	113	164	480	87	1,476	4,539	776
1899,	168	372	114	327	168	205	126	171	418	89	1,778	4,662	801
1900,	164	396	112	332	152	240	132	175	439	64	1,922	4,916	789
1901,	185	397	110	345	177	276	127	177	433	80	2,034†	5,111	808

\* Includes 1 town patient at McLean.

† Includes 3 State patients at Boston Insane Hospital.

TABLE XII.—*Cases of Insanity and Persons Insane at Public and Private Institutions, 1900-1901.*

## CASES OF INSANITY AND PERSONS INSANE, ETC.

Cases admitted within the Year.		New cases :—												Whole number of cases within the year,	
Recent (insane less than one year),		Persons first admitted to any hospital,						Persons transferred from other insane hospitals, admitted from the general community, viz.: from cities and large towns, from country districts, unknown,						Deaths within the year,	
Chronic (insane one year or more),		Recent insanity,						from country districts, unknown,						Recoveries within the year,	
Of unknown duration,		Unknown,						Unknown,						Deaths within the year,	
Persons admitted within the year,		441	324	144	321	216	-	-	73	56	11	238	1,824	101	43
Recent cases,		•	230	156	67	185	107	-	10	18	-	148	921	70	36
Chronic cases,		•	96	117	76	121	65	-	20	18	11	90	614	31	7
Unknown,		•	115	51	1	15	44	-	43	20	-	-	289	-	-
Persons transferred from other insane hospitals, admitted from the general community, viz.: from cities and large towns, from country districts, unknown,		16	7*	1	10	35†	180†	56	1	3	2	321	4	47	4
Recent insanity,		564	429	202	420	286	-	24	96	78	14	303	2,331	141	47
Chronic insanity,		450	308	156	394	224	-	1	34	-	14	303	1,820	105	29
Unknown,		104	121	46	26	62	-	1	62	-	12	-	370	36	18
Persons transferred from other insane hospitals, admitted from the general community, viz.: from cities and large towns, from country districts, unknown,		1,661	1,303	796	1,487	955	517	1,379	638	452	171	812	10,171	321	113
Recent insanity,		1,643	1,288	793	1,481	946	517	1,378	636	452	170	800	9,777	314	113
Chronic insanity,		83	77	39	47	69	1	4	13	8	-	48	389	45	12
Unknown,		134	114	50	102	70	33	72	69	19	11	85	759	24	8
Total number of cases within the year,		1,661	1,303	796	1,487	955	517	1,379	638	452	171	812	10,171	321	113
Whole number of persons within the year,		1,643	1,288	793	1,481	946	517	1,378	636	452	170	800	9,777	314	113
Recoveries within the year,		83	77	39	47	69	1	4	13	8	-	48	389	45	12
Deaths within the year,		134	114	50	102	70	33	72	69	19	11	85	759	24	8

In addition to this number 12 men were transferred to this hospital from the Hospital for Dipsonianics and Inebriates at Foxborough.

Institutions at Worcester Asylum 4 persons returned from boarding in private families, and at Medfield Asylum 3 returned from boarding. ¶ Returned from visit. ¶ § From prison, houses of correction, etc.

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## RECORD OF CASES ADMITTED IN 1900-1901.

TABLE XIII.—Record of Cases admitted within the Year 1900-1901 at Five State Hospitals.

	INSANE.			HABITUAL DRUNKARDS.			NOT INSANE.			AGGREGATES.		
	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.
	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
Admitted,	•	•	•	•	•	•	1,005	959	1,964	-	25	25
Discharged recovered,	•	•	•	•	•	•	109	64	173	-	3	3
much improved,	•	•	•	•	•	•	65	56	121	-	4	4
Improved,	•	•	•	•	•	•	59	53	112	-	-	-
not improved,	•	•	•	•	•	•	79	61	140	-	-	-
not insane,	•	•	•	•	•	•	1	-	1	-	8	8
Died,	•	•	•	•	•	•	102	73	175	-	-	-
Remaining Sept. 30, 1901,	•	•	•	•	•	•	590	652	1,242	-	10	4
Number likely to recover or improve,*	•	•	•	•	•	•	172	157	329	-	3	3

\* None of the 199 cases remaining at Westborough are reported under this head.

## FORMS OF MENTAL DISEASE, ETC.

TABLE XIV.—*Forms of Mental Disease in Cases admitted or discharged at Five State Hospitals, with Condition on Discharge, 1900–1901.*

FORMS OF DISEASE.	Cases admitted, 1900-1901.	CASES DISCHARGED, 1900-1901.					Aggregates.
		Recovered.	Much im- proved.	Improved.	Not im- proved.	Died.	
I. Insane:—							
Mania, acute delirious,	6	-	-	-	-	-	7
acute, . . . . .	42	38	9	1	4	3	54
chronic, . . . . .	17	-	6	9	6	13	34
puerperal, . . . . .	6	3	1	1	2	-	7
recurrent, . . . . .	12	4	2	-	-	-	6
Melancholia, acute, . . . . .	87	49	16	10	5	15	95
agitated, . . . . .	-	-	-	-	-	-	1
chronic, . . . . .	26	3	10	7	8	9	37
climacteric, . . . . .	29	-	6	4	8	9	27
involution, . . . . .	11	-	-	-	1	1	1
recurrent, . . . . .	2	-	-	-	-	1	1
Katatonia, . . . . .	35	3	7	6	4	4	24
Dementia, . . . . .	24	-	-	-	6	6	12
chronic, . . . . .	-	-	-	-	5	5	5
organic, . . . . .	8	-	-	2	1	6	9
post-paralytic, . . . . .	7	-	-	2	2	7	11
post-paralytic with aphasia, . . . . .	7	-	-	-	-	4	4
præcox, . . . . .	113	-	15	23	56	9	103
primary, . . . . .	120	-	11	21	20	8	60
primary with katatonic symptoms, . . . . .	8	-	3	4	-	2	9
secondary, . . . . .	30	-	6	10	15	12	43
senile, . . . . .	173	-	3	6	33	113	155
terminal, . . . . .	1	-	-	1	1	1	3
Paranoia, . . . . .	118	-	31	32	39	14	116
Paranoid condition, . . . . .	70	-	7	15	43	7	72
Chronic delusional insanity, . . . . .	34	-	1	3	16	4	24
Alcoholic insanity, . . . . .	147	79	29	23	12	-	150
acute, . . . . .	7	11	1	1	-	-	13
Circular insanity, . . . . .	2	1	-	-	-	2	3
Confusional insanity, . . . . .	-	1	1	-	1	-	3
Epileptic insanity, . . . . .	25	2	6	3	12	4	27
Hysterical insanity, . . . . .	2	2	-	-	1	-	3
Paralytic insanity, . . . . .	-	-	-	-	-	3	3
Puerperal insanity, . . . . .	-	3	-	-	-	-	3
Senile insanity, . . . . .	47	-	1	3	12	33	49
Toxic insanity, . . . . .	12	4	1	1	-	1	7
acute alcoholism, . . . . .	30	20	4	2	1	-	27
chronic alcoholism, . . . . .	22	9	2	-	2	2	15
cocainism, . . . . .	1	1	-	-	-	-	1
morphinism, . . . . .	3	2	-	-	-	1	3
Traumatic insanity, . . . . .	-	2	-	-	-	-	2
Manic-depressive insanity, depressed phase, . . . . .	12	1	3	2	1	1	8
excited phase, . . . . .	42	8	-	1	2	-	11
mixed phase, . . . . .	1	-	-	1	-	-	1
Periodic insanity, circular forms, . . . . .	10	1	3	-	3	2	9
depressed forms, . . . . .	22	9	6	2	-	-	17
manic and delirious forms, . . . . .	28	12	13	1	4	5	35
Recurrent insanity, . . . . .	7	12	3	2	-	1	18
circular, . . . . .	6	-	4	-	2	2	8
confusional, . . . . .	7	-	2	-	2	1	5
depressive, . . . . .	14	-	9	2	-	1	12
katatonic, . . . . .	1	-	1	-	-	-	1
maniacal, . . . . .	19	1	4	3	3	-	11
Exhaustion delirium, acute, . . . . .	1	-	-	-	-	-	-
Acute delirium from chorea, . . . . .	-	1	-	-	-	-	1
from morphine and alcohol, . . . . .	1	-	-	-	-	-	-
from morphine and cocaine, . . . . .	1	-	-	-	-	-	-
from morphine and influenza, . . . . .	-	1	-	-	-	-	1

## FORMS OF MENTAL DISEASE, ETC.

TABLE XIV. — *Forms of Mental Disease, etc.* — Concluded.

FORMS OF DISEASE.	Cases admitted, 1900-1901.	CASES DISCHARGED, 1900-1901.						Aggregates.
		Recovered.	Much im- proved.	Improved.	Not im- proved.	Died.		
I. Insane — <i>Concluded.</i>								
Delirium (toxic, infectious and asthenic),	42	22	4	1	1	8	36	
General paralysis,	186	1	9	10	32	103	155	
Infantile paralysis,	.	-	-	-	-	-	-	
Organic brain disease,	8	-	1	1	1	3	6	
Hysteria,	.	-	-	1	-	-	1	
Idiocy,	2	-	-	-	-	1	1	
Imbecility,	92	-	14	17	42	7	80	
Constitutional inferiority,	27	-	10	7	10	3	30	
Psychopathic inferiority,	13	1	1	1	2	-	5	
Congenital mental deficiency,	20	-	1	4	5	3	13	
Neurasthenia,	3	1	2	4	-	-	7	
Peripheral neuritis,	1	-	-	-	-	1	1	
Involution psychosis,	25	2	4	-	1	4	11	
Chorea,	.	-	1	-	-	-	1	
Huntington's chorea,	.	-	-	-	-	-	-	
Epilepsy,	22	-	6	4	5	8	23	
and mania,	2	-	1	1	-	1	3	
and dementia,	7	-	-	-	1	-	1	
and imbecility,	1	-	-	-	-	-	-	
Exophthalmic goitre,	2	-	-	-	-	-	-	
Uræmic coma,	1	-	-	-	-	1	1	
Cerebral tumor,	2	-	1	-	-	-	1	
Special psychopathic condition (impulsive and obsessional),	1	-	-	-	-	-	-	
Morphinism,	.	-	2	-	-	1*	-	
Narcotic inebriety,	7	3	1	2	1	-	7	
Undiagnosticated,	36	-	1	2	4	1	8	
II. Habitual drunkards,	25	8	5	-	9*	1	23	
III. Not insane, voluntary cases,	32	-	1	-	31*	2	34	
Totals of cases,	2,017	323	290	258	475	472	1,818	
Totals of persons,	1,990	-	-	-	-	-	1,775	

\* Discharged "not insane" rather than "not improved."

TABLE XV.—*Probable Causes of Mental Diseases in Persons \* admitted at Seven Hospitals in 1900-1901.*

ASSIGNED CAUSES.	WORCESTER INSANE HOSPITAL.		TAUNTON INSANE HOSPITAL.		NORTHAMPTON INSANE HOSPITAL.		DANVERS INSANE HOSPITAL.		WESTBOROUGH INSANE HOSPITAL.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
<b>I. Physical:</b> —										
Acute diseases,	-	-	-	-	-	-	-	-	-	-
Adolescence,	-	-	19	78	-	-	-	-	-	-
Alcohol,	-	-	8	39	-	-	-	-	-	-
Alcohol and other causes,	31	-	-	-	46	11	57	-	-	-
Alcoholism,	-	-	-	-	-	-	-	-	-	-
Arrested development,	-	-	-	-	-	-	-	-	-	-
Auto-intoxication,	-	-	-	-	-	-	-	-	-	-
Blindness,	-	-	-	-	-	-	-	-	-	-
Brain lesion,	4	-	12	16	-	-	-	-	-	-
Bromides,	-	-	1	1	2	-	2	-	-	-
Cerebral hemorrhage,	-	-	-	-	-	-	-	-	-	-
Childbirth,	-	-	-	-	-	-	-	-	-	-
Chorea,	-	-	-	-	-	-	-	-	-	-
Cocainism,	-	-	-	-	1	-	1	-	-	-
Congenital,	-	-	-	-	29	15	44	15	25	1
Constitutional inferiority,	15	-	7	22	-	-	-	-	-	-
Diabetes,	-	-	-	-	-	-	-	-	-	-
Dissipation,	-	-	-	2	-	-	-	-	-	-
Drug habit,	-	-	-	-	-	-	-	-	-	-
Endo-metritis,	-	-	-	-	-	-	-	-	-	-
Epilepsy,	5	3	-	8	5	4	9	-	-	-
Epilepsy and menopause,	-	-	-	-	1	1	-	-	-	-
Gas poisoning,	-	-	-	-	-	-	-	-	-	-
Gout,	-	-	-	-	-	-	-	-	-	-
Graves' disease,	-	-	23	43	66	5	21	26	2	6
Heredity,	-	-	-	-	-	-	-	-	-	-
									44	24
									68	36
									7	15

\* Worcester, Taunton and Westborough report cases instead of persons.

TABLE XV.—*Probable Causes of Mental Diseases, etc.*—Continued.

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

TABLE XV.—*Probable Causes of Mental Diseases, etc.*—Continued.

## PROBABLE CAUSES OF MENTAL DISEASES, ETC.

\* Figures taken from their last printed reports.

TABLE XV.—*Probable Causes of Mental Diseases, etc.*—Concluded.

## CAUSES OF DEATH, ETC.

TABLE XVI. — *Causes of Death at Seven Hospitals in the Last Official Year, 1900-1901.*

CAUSES.	WORCESTER INSANE HOSPITAL.	TAUNTON INSANE HOSPITAL.	NORTHAMPTON INSANE HOSPITAL.	DANVERS INSANE HOSPITAL.	WESTBOROUGH INSANE HOSPITAL.	BOSTON INSANE HOSPITAL.*	MCLEAN HOSPITAL*	TOTALS.	
								Males.	Females.
<b>I. Diseases of nervous system :—</b>									
Mania, acute,								1	1
acute, delirious,								5	5
chronic and hemiplegia,								1	1
Melancholia, acute,								9	9
chronic,								1	1
Dementia, organic,								3	3
secondary,								5	5
Epilepsy,								2	2
Brain tumor,								6	6
Encephalomalacia,								1	1
Apothixy and meningitis,								2	2
Tubercular meningitis,								1	1
Abscess of cerebellum,								3	3
Hemorrhage pachymeningitis,								4	4
Paralytic insanity,								10	10
General paralysis,								11	11
Organic brain disease,								13	13
Benign insanity,								9	9
Alcoholism,								3	3
Exhaustion from alcoholic insanity,								2	2
Manic depressive insanity (depressed phase),								1	1
<b>II. Diseases of respiratory system :—</b>									
Carcinoma of larynx,								1	1
Cirrhosis of lung,								1	1
Empyema,								2	2
Chronic bronchitis, pleurisy and bronchiectasis,								1	1

\* Figures taken from their last printed reports.

TABLE XVI.—*Causes of Death at Seven Hospitals in the Last Official Year, 1900-1901*—Continued.

## CAUSES OF DEATH, ETC.

Aorto-sclerosis and retro-peritoneal hemorrhage,	1
Cerebral hemorrhage,	1
Endocarditis,	1
Fatty degeneration of heart,	1
General anasarca,	1
Heart disease,	1
Heart failure,	1
Heart failure and chronic nephritis,	2
Mitral insufficiency,	1
Pancreatic, hepatic and intestinal hemorrhage,	1
Pernicious anemia,	1
Rheumatoid arthritis,	1
Rupture of aorta,	1
Rupture of heart,	1
Valvular disease of heart,	1
 IV. Diseases of digestive system:—	
Cancer of rectum,	1
Carcinoma of duodenum,	1
Carcinoma of stomach,	1
Diarrhea,	1
Dysentery,	1
Enteritis,	1
Enteritis, acute,	2
Enteritis, acute catarrhal,	1
Enteritis, chronic,	1
Gastro-enteritis,	1
Tubercular enteritis,	1
Enterico-coitis,	1
Intestinal obstruction,	2
Intestinal tuberculosis,	1
Somatitis ulcerosa,	1
Volvulus of sigmoid,	1
 V Diseases of genito-urinary system:—	
Cystitis,	1
Cystitis, diabetes mellitus,	1
Diabetic coma,	1
Nephritis,	1

TABLE XVI.—*Causes of Death at Seven Hospitals in the Last Official Year, 1900-1901*—Concluded.

## CAUSES OF DEATH, ETC.

## CAUSES OF DEATH, ETC.

Secondary effects of burn,	-
Sepicæmia,	-
Suffocation by food while eating and	-
general paralysis,	-
Suicide,	-
Tubercular spinal caries,	-
Tuberculosis, general,	-
Typhoid fever,	-
Totals,	.
	69
	65
	134
	64
	50
	114
	27
	23
	50
	67
	35
	102
	39
	33
	72
	40
	36
	76
	16
	8
	23
	321
	250
	571

## DURATION BEFORE ADMISSION, ETC.

TABLE XVII.—Duration before Admission in Cases recovered or died in the Last Official Year at Seven Hospitals, 1900–1901.

PERIOD.	WORCESTER INSANE HOSPITAL.				TAUNTON INSANE HOSPITAL.				NORTHAMPTON INSANE HOSPITAL.				DANVERS INSANE HOSPITAL.					
	RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.		RECOVERED.		DIED.			
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.		
Congenital,	.	.	.	.	-	-	-	-	2	-	-	-	-	-	-	1		
Under 1 month,	.	.	.	.	23	13	7	11	15	21	10	9	16	9	1	2	5	
From 1 to 3 months,	.	.	.	.	3	5	9	10	9	7	12	7	2	4	3	1	7	
3 to 6 months,	.	.	.	.	3	-	3	4	6	3	6	1	1	-	1	5	2	
6 to 12 months,	.	.	.	.	3	3	2	6	2	-	2	3	-	3	-	1	8	
1 to 2 years,	.	.	.	.	2	-	9	3	1	1	7	4	2	-	5	4	1	
2 to 5 years,	.	.	.	.	-	4	12	7	2	-	4	14	-	1	8	7	2	
5 to 10 years,	.	.	.	.	-	2	-	5	1	-	2	3	-	1	3	-	4	
Over 10 years,	.	.	.	.	-	-	2	2	-	-	1	2	-	-	6	5	-	
Unknown,	.	.	.	.	16	14	25	17	5	5	18	7	-	-	-	-	3	1
Totals of cases,	.	.	.	.	50	41	69	65	40	37	64	50	21	18	27	23	49	7
Totals of persons,	.	.	.	.	50	41	69	65	40	37	64	50	21	18	27	23	40	7
Average period of known cases (in months).	2.09	10.44	20.90	24.98	5.10	1.40	25.60	24.70	1.62	3.22	65.73	106.34	3.39	5.28	44.86	28.50		

## DURATION BEFORE ADMISSION, ETC.

TABLE XVII.—*Duration before Admission in Cases recovered or died—Concluded.*

PERIOD.	WESTBOROUGH INSANE HOSPITAL.			BOSTON INSANE HOSPITAL.			MCLEAN HOSPITAL.			AGGREGATES.		
	RECOVERED.		DIED.	RECOVERED.		DIED.	RECOVERED.		DIED.	RECOVERED.		DIED.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Congenital, . . . . .	-	-	10	7	5	7	-	-	1	-	-	-
Under 1 month, . . . . .	-	-	4	15	2	3	1	4	3	5	8	10
From 1 to 3 months, . . . . .	-	-	2	7	2	6	1	2	3	5	5	1
3 to 6 months, . . . . .	-	-	3	1	5	1	-	2	2	1	1	2
6 to 12 months, . . . . .	-	-	3	1	5	1	-	2	5	4	-	1
1 to 2 years, . . . . .	-	-	3	5	3	-	2	3	4	1	3	-
2 to 5 years, . . . . .	-	-	1	1	7	2	2	1	10	5	-	1
5 to 10 years, . . . . .	-	-	5	1	-	-	5	1	-	4	-	7
Over 10 years, . . . . .	-	-	2	4	2	-	-	3	2	-	-	-
Unknown, . . . . .	-	-	8	5	3	8	-	-	5	2	-	-
Totals of cases, . . . . .	28	41	39	33	10	24	40	36	15	21	14	7
Totals of persons, . . . . .	28	41	39	33	10	24	40	36	15	21	14	7
Average period of known cases (in months).	4.30	18.27	47.91	20.64	5.53	4.18	34.93	38.34	1.81	5.70	16.98	2.10
											3.36	7.87
											37.32	35.09

TABLE XVIII.—*Cases of Previous Years at Five State Hospitals, recovered or died in 1900-1901, or undischarged.*

## CASES OF PREVIOUS YEARS, ETC.

## AVERAGE DURATION OF CASES, ETC.

TABLE XIX.—*Average Duration (in Months) of Cases recovered or died at Seven Hospitals in Twenty-two Years.*

	AVERAGE IN 1900-1901.			AVERAGE OF PREVIOUS TWENTY-TWO YEARS' TWENTY-ONE YEARS.			TWENTY-TWO YEARS' AVERAGES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
							Males.	Females.	Totals.
Whole number of recoveries,	204	189	393	4,025	3,724	7,749	4,229	3,913	8,142
of deaths,	320	249	569	4,381	3,479	7,860	4,701	3,728	8,429
Duration before admission,—cases recovered,	3.36	7.87	5.54	6.42	9.51	7.91	6.27	9.43	7.79
cases died,	37.32	36.09	36.32	41.02	37.71	39.57	40.76	37.53	39.35
Hospital residence,—cases recovered,	6.70	7.94	7.36	6.37	9.64	8.46	6.38	9.55	8.40
cases died,	28.51	31.42	30.55	29.73	31.70	30.66	29.64	31.68	30.66
Whole duration,—cases recovered,	8.57	15.64	11.96	11.90	17.72	14.71	11.74	17.62	14.57
cases died,	64.73	67.34	65.82	64.26	74.23	68.87	64.29	73.77	68.66

## RESULTS OF DIFFERENT ADMISSIONS, ETC.

TABLE XX. — *Results of Different Admissions at Seven Hospitals.*

	OFFICIAL YEAR, 1900-1901.			TWENTY-TWO YEARS, 1880-1901.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Whole number discharged, . . . . .	1,112	1,182	2,294	19,535	18,715	38,250
On first admission, . . . . .	920	936	1,856	16,117	15,064	31,181
viz.: recovered, . . . . .	165	145	310	3,477	3,091	6,568
died, . . . . .	282	227	509	4,032	3,272	7,304
otherwise, . . . . .	473	564	1,037	8,608	8,701	17,309
On second admission, . . . . .	126	159	285	2,367	2,399	4,766
viz.: recovered, . . . . .	24	23	47	455	491	946
died, . . . . .	26	18	44	462	387	849
otherwise, . . . . .	76	118	194	1,450	1,521	2,971
On third admission, . . . . .	34	48	82	551	679	1,230
viz.: recovered, . . . . .	7	12	19	119	154	273
died, . . . . .	9	3	12	82	77	159
otherwise, . . . . .	18	33	51	350	448	798
On fourth or subsequent admission, . . .	32	39	71	500	573	1,073
viz.: recovered, . . . . .	9	9	18	166	179	345
died, . . . . .	4	2	6	48	58	106
otherwise, . . . . .	19	28	47	286	336	622
Whole number of persons discharged, . . .	1,103	1,176	2,279	-	-	-

## PARENT AND CIVIL CONDITION.

TABLE XXI.—*Parentage of 38,632 Cases admitted within the Last Twenty-two Years at Seven Hospitals of Massachusetts.*

PLACES OF PARENT NATIVITY.	MALES (19,603).		FEMALES (19,029).		Totals (38,632).	
	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.
Massachusetts, . . . .	4,247	4,320	3,488	3,524	7,735	7,844
Other States, . . . .	3,024	2,982	2,496	2,611	5,520	5,593
Total American, . . .	7,271	7,302	5,984	6,135	13,255	13,437
Total foreign, . . . .	10,278	10,230	10,702	10,554	20,980	20,784
Canada, . . . . .	1,226	1,275	1,262	1,349	2,488	2,624
Great Britain, . . . .	1,283	1,204	1,205	1,073	2,488	2,277
Ireland, . . . . .	6,058	6,100	6,807	6,822	12,865	12,922
Other countries, . . . .	1,711	1,651	1,428	1,310	3,139	2,961
Unknown, . . . . .	2,054	2,071	2,343	2,340	4,397	4,411
Totals, . . . . .	19,603	19,603	19,029	19,029	38,632	38,632

TABLE XXII.—*Civil Condition of 40,369 Cases admitted at Seven Hospitals within Twenty-two Years past.*

CIVIL CONDITION.	YEAR OF 1900-1901.			TOTAL FOR TWENTY-TWO YEARS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Unmarried, . . . . .	542	483	1,025	9,636	7,769	17,405
Married, . . . . .	530	569	1,099	9,005	8,452	17,457
Widowed, . . . . .	114	216	330	1,578	3,454	5,032
Divorced, . . . . .	10	10	20	55	83	138
Unknown, . . . . .	21	12	33	217	120	337
Totals, . . . . .	1,217	1,290	2,507	20,491	19,878	40,369

## OCCUPATION OF PERSONS, ADMISSIONS, ETC.

TABLE XXIII.—*Occupations of Persons admitted at Seven Hospitals, 1880-1901.*

OCCUPATIONS.	OFFICIAL YEAR, 1900-1901.			TWENTY-TWO YEARS, 1880-1901.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Educated or professional, . . . . .	127	96	223	1,541	757	2,298
Domestic, . . . . .	15	251	266	226	3,526	3,752
Farmers, . . . . .	73	13	86	1,711	400	2,111
Housekeepers, . . . . .	-	406	406	-	6,308	6,308
Laborers, . . . . .	271	34	305	4,121	754	4,875
Mechanical, . . . . .	292	55	347	6,219	1,885	8,104
Operatives, . . . . .	78	78	156	1,199	1,309	2,508
Traders, . . . . .	110	33	143	2,234	597	2,831
Miscellaneous, . . . . .	93	77	170	1,067	536	1,603
No occupation or unknown, . . . . .	146	237	383	2,133	3,759	5,892
Totals, . . . . .	1,205	1,280	2,485	20,451	19,831	40,282

TABLE XXIV.—*Admissions, Readmissions and Recoveries.*

YEARS ENDING SEPT. 30.	Whole Number of Admissions.	First Admissions to Hospital re- porting.		First Admissions to Any Insti- tute Hospital.		True Readmis- sions.		Reported Recov- eries.
		Readmissions to Hospital re- porting.	First Admissions to Any Insti- tute Hospital.	True Readmis- sions.	Reported Recov- eries after Recoveries.			
1881-1900.	Worcester, . . . . .	8,799	7,393	1,406	6,358	2,441	550	1,840
	Taunton, . . . . .	6,583	5,424	1,159	4,918	1,665	440	1,271
	Northampton, . . . . .	3,415	2,669	746	2,472	943	264	699
	Danvers, . . . . .	8,590	7,197	1,393	6,277	2,313	430	1,429
	Westborough, . . . . .	4,688	3,140	1,548	3,037	1,651	211	1,062
	Totals for twenty years, . . . . .	32,075	25,823	6,252	23,062	9,013	1,895	6,301
1900-1901.	Worcester, . . . . .	588	492	96	449	139	37	91
	Taunton, . . . . .	445	368	77	327	118	33	77
	Northampton, . . . . .	207	164	43	145	62	20	39
	Danvers, . . . . .	435	372	63	322	113	16	47
	Westborough, . . . . .	343	236	107	236	107	27	69
	Totals, 1900-1901, . . . . .	2,018	1,632	386	1,479	529	133	323
Totals for twenty-one years,		34,093	27,455	6,638	24,541	9,552	2,028	6,624

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